



Akshat Singh

With **12 years** of IT experience in diverse domains, technologies, and Open Source projects, I am a seasoned **Senior Software Developer**. My expertise ranges from enterprise web development and scalable architectures to microservices and cloud infrastructure. I have served various organizations, from research and start-ups to global enterprises.

Professional Qualification

- PGDIT** Pursued from, *Indian Institute of Information Technology and Management - Kerala (presently known as Digital University Kerala)*, Thiruvananthapuram [2008 - 2010] with an overall CGPA of, *9.31*.
- B.Tech** Electronics and Communication Engineering, *from Bundelkhand Institute of Engineering and Technology*, Jhansi, affiliated to Uttar Pradesh Technical University, [2003 - 2007].

Professional Summary

Primary Skills

- Excellent hands-on experience in developing robust enterprise applications leveraging **Java, JEE, JSP, Servlets, Multithreading, Spring, SpringBoot, Struts2, Hibernate, JDBC, RESTful Web Services, Microservices, Lucene, Docker, Podman, and Kubernetes**.
- Automated tasks using **Python** and **Shell Scripting**.

Secondary Skills

- BigData Technologies.
- Familiar with **Angular** and TypeScript for modern UI development, with experience in creating responsive and user-friendly interfaces using JavaScript, JQuery, Ajax, Bootstrap, Tiles, and Highcharts library.
- Having good hands-on experience in various flavors of **Linux and Unix** and their **System configuration**.

OpenSource Involvements

- Involved in Debian packaging for **Debian-Astro** dedicated to Astrophysics and other Debian Projects.
- Organized impactful workshops and conferences nationwide at schools and colleges, promoting the adoption and awareness of Free and Open Source Software (FOSS) within the educational community.
- Collaborated actively with prominent Free and Open Source Software (FOSS) communities including Debian, Debian Astro, Zimbra, OWASP, Pune FOSS User Group (PFUG), FOSS United, Pune Linux User Group (PLUG), Free Software Community of India (FSCI), and Mozilla India.

Software Development Skills

Languages:	Java (Core Java, JEE, JDBC, JSP, Servlets), Python, Scheme, Go (Beginner)
Frameworks:	Spring, SpringBoot, Struts2, Hibernate (JPA), Hadoop (HDFS, MapReduce)
Scripting:	Shell Scripting (Bash), JavaScript
Databases:	MySQL, MariaDB, BDB/MDB
Tools and Libraries:	Apache Lucene, Solr, Apache Tika, ZooKeeper, OWASP, OpenLDAP, OpenCV
Container Technologies:	Docker, Podman, Kubernetes, Docker Swarm, Quay, OpenShift, GCP, OCI



Summary of Skills:

Web application Technologies	Databases	Webserver	Tools	Big Data Technologies	Operating Systems
Java, JEE Spring SpringBoot Struts2 JDBC JPA, Hibernate JSP, Servlets Python Webservices Microservices Lucene/Solr Swagger API SLF4J, Log4j Splunk AJAX HTML, CSS Bootstrap 3 Lombok JSON, XML, YML	MySQL MariaDB BDB/MDB Gadfly ZSQL ProxySQL Container Tools/Platforms: Docker Podman Kubernetes Docker Swarm Quay/DockerHub GCP OCI OpenShift	Apache Tomcat Nginx Apache2 Jetty Glassfish Zope Ticketing/ Bug Tracking: Jira Trac Bugzilla Scripting: Python Bash Awk/Sed	LaTex Emacs/Vim Eclipse/STS SoapUI Postman logrotate Wiki Samba Mailman Virtualbox Libre Office LDAP Build Tools: Make Maven Apache Ant	Hadoop 2.x HDFS MapReduce Pig Hive Sqoop Flume HBase Version Control: Git GitLab GitHub Subversion	Linux: RHEL 6.0/7.0, CentOS 5.5 -7.x, Debian 6 onwards, Ubuntu 8.10 onwards, Fedora 11 onwards Mac OS X: Lion onwards CMS: Plone Moodle

Technical Proficiencies

Cloud and Container Technologies

- Proficient in Docker and Podman containerization.
- Worked on multistage Dockerfile building for optimized image size and reduced dependencies.
- Collaborated effectively, providing documentation for Docker, Kubernetes, and Podman configurations.
- [OCI Containers/Kubernetes in Microservices Architecture](#)
 - Contributed to the development of Microservices architecture ensuring system modularity and flexibility.
 - Deployed and maintained Microservices in development environments.
 - Experience in orchestrating Java/SpringBoot applications on Kubernetes.
 - Utilized Minikube for local Kubernetes deployment in development environments.
 - Deployed, scaled, and managed Java application containers in a Microservices architecture using Kubernetes.
 - Implemented and maintained *Highly Available (HA)* systems, employing redundancy and failover strategies.
 - Experience in troubleshooting and debugging Java applications within containerized environments.
 - Implemented security best practices in Docker and Kubernetes, ensuring a robust and secure infrastructure.
 - Worked on monitoring and logging solutions for comprehensive visibility into Java application performance.
- [Openshift](#)
 - Configuring and Building OpenShift cluster from scratch.
 - Deploying applications on OpenShift using its S2I feature.
 - Deploying, maintaining, configuring services on OpenShift.
 - Building Images from Dockerfile and Containers and pushing/pulling them to/from registries like *quay.io* and *docker.io*.
 - Working with OpenShift's *oc* command-line tool.



o GCP/OCI

- Creating *Compute Engine* VM Instances on Google Cloud Platform.
- Creating GCP Bucket and configuring with Compute Engine on Google Cloud Platform.
- Creating Images, Disks and, Snapshots on Google Cloud Platform.
- Familiarity with Google Cloud CLI *gcloud* and *Cloud Shell*.
- Basic familiarity with Oracle Cloud.

Big Data Technologies

- o Installing, Configuring and Building *Hadoop* cluster and *HDFS* from scratch.
- o Healthcheck monitoring on Hadoop Cluster.
- o Ingesting data from various sources using *Sqoop* and *Flume* for seamless integration into the Hadoop ecosystem.
- o Developing and executing *MapReduce* jobs in distributed computing for efficient data processing.
- o Performed ETL operations with *Pig* and *Hive*, enhancing data workflows for efficient transformation and analysis.

Web Application Projects Configuration

- o Configured web servers, including Apache, Tomcat, Glassfish, and Zope, ensuring optimal performance.
- o Expertise in version control systems (Git, Subversion), seamlessly integrated with Trac and Apache.
- o Led building and management of web applications using CMS (Plone/Zope, Moodle, Wiki) with LDAP integration for enhanced security.

Linux/Unix System Configuration

- o Linux Kernel recompilation and it's re-configuration.
- o Automating repeated processes using Shell Scripts and Python.
- o Installation and configuration of:
 - Linux OS like Debian, Ubuntu, CentOS, Red Hat, Fedora and Mac with multi-boot.
 - Software applications through package manager, repository or source for Linux/Mac.
 - Libraries from source.
 - Device drivers for all external and internal devices.
- o Configuring and implementing:
 - Cron jobs for taking automated backups of the system.
 - Mail server using Postfix.
 - Network file system protocols.
 - Disk Management and partitioning.
- o Worked with admin tools like Webmin, top, nmap, vmstat, netstat, ps, ping, parted.
- o Managing groups and user accounts assigned permissions to users using LDAP.

Work Experience

[1] Oracle India Private Limited, Hyderabad

July 2024 to **Senior Principal Consultant**, *Oracle Health Insurance*, FSGIU
till date Currently serving as an OHI Senior Technology Consultant in the DECS group, contributing to the development of new features, as well as debugging and resolving defects within the DECS Services team.



[2] Zimbra Technology India Private Limited, Pune

March 2018 **Senior Software Engineer**, *Zimbra*, Pune.

to March 2022 Zimbra is a globally adopted collaboration and email platform with powerful features like contacts, calendar, tasks, file sharing, video conferencing, and document creation. Deployable on-premises, in the cloud, or as a hybrid service, it has earned trust from 500+ BSPs and 2000+ channel partners, powering millions of mailboxes worldwide.

Project Description

Contributed to designing, developing, and enhancing core capabilities of Zimbra, including the creation of a highly available (HA) system from legacy Zimbra. Utilized Java, JEE, Docker, Kubernetes, and other cutting-edge technologies to build microservices for the HA system and contributed to its ongoing maintenance.

Environment

At Zimbra, I leveraged cutting-edge technologies to achieve exceptional outcomes. I utilized Ubuntu, CentOS, Java, JEE, Multithreading, SpringBoot, Hibernate, Python, Shell Scripting, SOAP and RESTful Webservices, Microservices, Postman, MariaDB, Galera Cluster, Jetty, Nginx, ProxySQL, Docker, Kubernetes, Minikube, LDAP, Apache Lucene, Solr, ZooKeeper, OWASP, SPF, Apache Tika.

Responsibilities

- Contributed to the design and development of Microservices for the new Highly Available (HA) system **ZimbraCloud**, improving the **Infrastructure Team**'s efficiency.
- Created docker images for various services such as Mailbox, MLS, ZooKeeper, ProxySQL, Solr, providing seamless integration across ZimbraCloud.
- Designed, developed *Affinity* for *Mailbox Pods* in ZimbraCloud, ensuring better performance and reliability.
- Enhanced ZimbraCloud's performance by developing Microservices for Scheduler and Mailbox lookup Service (MLS).
- Implemented health-checks for critical services, including Mailbox, LDAP, ProxySQL, Galera, Solr, and ZooKeeper, ensuring seamless operations of ZimbraCloud.
- Successfully built a pipeline for automating the image creation and deployment of the ZimbraCloud, reducing manual effort and increasing efficiency.
- Contributed to **Zimbra Legacy** as part of the **API Team**, actively designing, developing, debugging, and enhancing its capabilities.
- Successfully implemented metadata searching using Lucene and Apache Tika library for full content Lucene Search, improving search accuracy and efficiency.
- Contributed to migrating search from Lucene to Solr Microservice for ZimbraCloud HA System.
- Developed new REST and SOAP webservices and modified existing operations as needed.
- Proficiently implemented the OWASP library in Zimbra, ensuring the system's security and reliability.
- Successfully integrated *Sender Policy Framework (SPF)* and *Sender Re-writing Scheme (SRS)* into Zimbra, significantly enhancing email deliverability and reducing spam.
- Utilized Git and GitHub for version control, managing code check-ins, checkouts, repository synchronization.
- Proficiently utilized **JIRA** for defect tracking and maintaining up-to-date JIRA tickets to document ongoing work progress. Adhered to **Agile** principles, including daily Scrum and a Sprint of fourteen days, to streamline the development process.
- Participated in code review and peer review meetings for the design docs.

Click to access few of my contributions in Zimbra Legacy

- [Zimbra/zm-mailbox](#)
- [Zimbra/zm-build](#)
- [Zimbra/zcs-lib](#)
- [Zimbra/antisamy](#)
- [Zimbra/packages](#)
- [Zimbra/zm-zm-soap-harness](#)
- [Zimbra/java-html-sanitizer-release-20190610.1](#)



[3] National Centre for Radio Astrophysics – Tata Institute of Fundamental Research, Pune

January 2016 **Visiting Engineer**, NCRA-TIFR, Pune.

to January 2018 NCRA-TIFR in Pune, India, is a premier research center funded by the Department of Atomic Energy, Govt. of India. Its research program covers diverse areas of Astronomy and Astrophysics. It operates the world's most potent low-frequency radio telescope, the Giant Metrewave Radio Telescope, near Pune. Additionally, NCRA-TIFR has extensive expertise in Engineering, Instrumentation, Signal processing, Antenna design, and Computing, housing a high-performance computing facility and complex computing systems.

Project Description

Designing and Development of web-based software solutions driving continuous improvement to processes, systems, work flow using Free and OpenSource Software (FOSS) and providing system administration to support the computer systems of NCRA-TIFR.

Environment

At NCRA, I utilized a wide array of technologies and frameworks. I worked with Java, JEE, Spring, Struts2, Hibernate, Python, and Shell Scripting for development and automation. Database work involved MySQL, BDB/ MDB, and ZSQL. For UI development, Ajax, jQuery, and Bootstrap. Deployment was done on Tomcat, Glassfish, Nginx, and Zope servers. I worked with Plone for website development, OpenLDAP for directory services, Apache Lucene for search functionality, and CentOS as the operating system.

Responsibilities

- I upgraded, developed, modularized, and enhanced the web application for **e-Tenders** and **Online Application Management System** for various academic programs at NCRA-TIFR, Pune on a reusable framework. These critical forms are used for selection and deriving analytics of thousands of candidates applying for IUCAA-NCRA Admission Test (INAT), Visiting Students' Research Programme (VSRP), Radio Astronomy Winter School (RAWS), and other academic conferences at NCRA-TIFR. *e.g.*,
 - [IUCAA National Admission Test](#)
 - [GMRT Online Archive](#)
 - [NCRA Archive and Proposal System](#)
 - [Visiting Students' Research Programme](#)
- Developed user interface using JSP and Struts Tags, simplifying application complexities. Configured Struts2 configuration and application context files based on Hibernate entries.
- Successfully integrated Hibernate ORM with Spring, to manage database persistence.
- Contributed to the development, maintenance and enhancement of NCRA Proposal System and GMRT Online Archiving web application (<http://naps.ncra.tifr.res.in>) with a focus on improving user experience and functionality.
- Utilized image processing libraries to develop an automated pipeline for generating JPEG images from astronomical FITS images. Successfully integrated the pipeline with the GMRT Online Archives System to provide astronomers with a visual representation of the observed source.
- Designed and built a new website for NCRA-TIFR using Plone 5/Zope and integrated it with external database and LDAP authentication to ensure seamless communication with thousands of students and researchers for various research programmes (e.g., <http://www.ncra.tifr.res.in>).
- Developed various web-based forms on the Python-based website for efficient management of website data and dynamic page generation for various announcements, science highlights and employee pages.
- Automated web-application generation and deployment pipeline, showcasing expertise in system administration, Python, Shell Scripting, and backend process management for NCRA-TIFR's projects.



[4] DNA Data Storage Pvt. Ltd. (StorageDNA)

October 2012 **Development Engineer**, *storageDNA*, Pune

to December 2015 StorageDNA is a product based company which provides end to end solutions for archiving, restoring and media asset management of data that is not periodically used. StorageDNA's workflow solution is built on Linear Tape Open (LTO) and Linear Tape File System (LTFS) technologies, and ODA (Optical Disk Arrays) which allows streamlining file-based workflow, work more efficiently and save significant storage costs and this workflow also allows to easily archive, find, restore, and directly access digital assets at incredible speeds.

Project Description

Contributed to the design, development, and enhancement of storageDNA's archiving product DNAEvolution, including the core functionality, user interface, and other aspects of the DNAEvolution. My focus included specialized work in Lucene search, and utilising its facet search, web application development. This role allowed me to gain expertise in a diverse range of technologies.

Environment

Java, JEE, Spring, Hibernate, Lucene, Hadoop, MapReduce, HDFS, XML, MySQL, Python, Shell Scripting, JQuery, Bootstrap, AI, ML, Image Processing, Pig, Hive, HTML5 video API, Flowplayer, vmtouch, udev, Apache Tika, unoconv, videodumper, ffmpeg, ffmbc, OpenCV, aubio, tessarect, ExifTool.

Responsibilities

- Utilized **Lucene's Taxonomy index facet search** and the **Hadoop** ecosystem for media catalog metadata analytics. Constructed a taxonomy index for archives by iteratively analyzing XML generated during initial stages of data archiving on LTO tapes. Metadata is sent to **HDFS** cache for various data processing outcomes and utilized MapReduce, Pig, and Hive for data processing and analysis. Leveraged Lucene for indexing the results and effectively utilized XML categories and sub-categories to refine queries and achieve desired outcomes.
With the help of analytics XMLs, it is possible to efficiently iterate through the entire catalog structure containing numerous archives and extract the required results. These XMLs are customized to parse the metadata of different archives based on the defined rules, and can be easily configured for processing by placing them in the designated watch folder specified in the configuration file.
- **Automated detection of overheated Train Accel Boxes** - Collaborated with Indian Railways on a project aimed at reducing derailment caused by overheating of Accel boxes in passenger and freight trains. Utilized AI, ML, and Image Processing to detect and identify overheated boxes. Analyzed the data with Pig, Hive, and Lucene in the Hadoop ecosystem to derive valuable insights.
- Successfully built and implemented a Hadoop Cluster to extract valuable insights from structured and unstructured archival data through expert use of Pig and Hive.
- Contributed to implementing incremental **Lucene indexing** for new archival data, enabling efficient search and retrieval of relevant information.
- Successfully implemented a powerful Global Search feature for DNAEvolution product, utilizing advanced Lucene indexing techniques to efficiently search keywords and logical sentences across vast archives.
- Integrated Flowplayer with HTML5 video API calls, enabling features such as seeking, frame-based manipulation, and rendering, even on low-end devices.
- Utilized open-source libraries like vmtouch, udev, apache tika, unoconv, mxflib, videodumper, ffmpeg, ffmbc, OpenCV, aubio, tessarect, ExifTool in conjunction with **Python** and **Shell Scripting** to automate various backend processes.



[5] Ravish Systems, Pune

August 2012 **Software Consultant**, *Ravish Systems*, Pune
to September 2012 Installed and configured RHEL/CentOS on blade servers, deployed web applications on Apache Tomcat and created their multiple instances for optimal performance. Installed and configured Redmine, and developed backup recovery scripts for MySQL database for Science and Technology Park (STPI), Pune. Built the content management system for the Film and Television Institute of India (FTII), Pune, utilizing Plone on Red Hat-based servers.

[6] National Centre for Radio Astrophysics – Tata Institute of Fundamental Research, Pune

August 2010 **Visiting Engineer**, *NCRA-TIFR*, Pune
to July 2012 NCRA-TIFR in Pune, India, is a premier research center funded by the Department of Atomic Energy, Govt. of India It operates the world's most potent low-frequency radio telescope, the Giant Metrewave Radio Telescope, near Pune. NCRA-TIFR has extensive expertise in Engineering, Instrumentation, Signal processing, Antenna design, and Computing, housing a high-performance computing facility and complex computing systems.

Project Description

As a software developer at GMRT, I utilized FOSS to create innovative software and web-applications, provided system administration and support for the GMRT software ecosystem, and optimized its software capabilities, enhancing research potential and scientific impact.

Environment

Java, JEE, JSP, JDBC, Struts2, MySQL, Shell Scripting, Python, Scheme, Linux (Ubuntu, CentOS), Plone, Zope, LDAP, Subversion, Trac, Mailman.

Responsibilities

- Developed Online Application Management System for various academic programmes at NCRA-TIFR, Pune using a reusable framework.
- Developed user interface using JSP and Struts Tags, simplifying application complexities. Configured Struts2 configuration and application context files based on Hibernate entries.
- Built NCRA's new website on top of Plone running on Zope application server, integrated with LDAP authentication for Single Sign-On across all applications, and configured with necessary add-on packages and MySQL database.
- Managed Linux tools and libraries for all NCRA academic and scientific programs on Linux server, including system configuration, administration, and maintenance.
- Maintained NCRA Proposal System and GMRT Online archiving web application.
- Configured and maintained Linux Servers for all NCRA academic and scientific programs.

[7] E-Durables

June 2007 to June 2008 **Quality Engineer**, *E-Durables*, Dehradun
Worked with E-Durables, an OEM division of LG Electronics India Pvt. Ltd. Noida, affiliated with the East India Group and Sister Concern of East India Packaging Pvt. Ltd. Greater Noida as part of the Incoming Quality Control (IQC) department.

Responsibilities

- Functioned as a Quality Engineer in the IQC (Incoming Quality Control) department at Colour TV Line.
- Conducted a Six Sigma project focused on reducing major issues.
- Created Daily, Weekly, monthly, and SCR (Service Complaint Report) analysis reports for presentations.



Master's Internship

National Centre for Radio Astrophysics – Tata Institute of Fundamental Research, Pune

- Title *Next Generation GMRT Support Services*
- Supervisor Dr. Yogesh Wadadekar
- Duration December 2009 to July 2010
- College Indian Institute of Information Technology and Management - Kerala, Thiruvananthapuram
- Description The Next Generation GMRT Support Services project aimed to enhance the performance and utilization of the Giant Metrewave Radio Telescope by implementing user-friendly technologies accessible to all staff members, engineers, and scientists at NCRA and GMRT (Giant Metrewave Radio Telescope). Utilizing open-source software tools and the latest technologies in a Linux environment, the project aimed to minimize data sharing complexity, monitor projects, and organize web content. The project was divided into five modules:
- Development of a new website for NCRA by providing a user-friendly interface.
 - Building a web application for the Online Application Management System to manage academic program applications for NCRA and GMRT.
 - Configuration of an Issue Tracking System for efficient project management.
 - Configuration and integration of a version control system for project efficiency.
 - Integration of a Single Sign-On facility using an LDAP server for all NCRA applications.

Master's Academic Project

- Title *Library Management System*
- Supervisor Prof. Venkatesh Chopella
- Description I was a vital member of a team that developed an efficient Online Library Management System for IIITM-Kerala, from September 2009 to November 2009. My responsibilities included requirement gathering and analysis, database design, and screen designing for various user and admin modules such as login, registration, password changing and retrieval mechanism, and resource search.

I was involved in developing the SRS, use-cases, class diagrams, and database design by collecting information from the existing library system. The product was developed using JSP and MySQL server was used to store data. Apache Tomcat was used as a web server, and I was responsible for designing various parts of the user and admin module, including login, registration, password changing and retrieval mechanism, and resource search.

B.Tech Academic Projects

- Title *PC Based Oscilloscope*
- Description Developed a PC-Based Oscilloscope as part of the final year project during my B.Tech program at Bundelkhand Institute of Engineering and Technology Jhansi. The project involved creating a hardware interface to condition input waveforms and convert them into digital format for easy interfacing with the PC. To display the waveforms in a user-friendly manner, I utilized my skills in C programming and graphics to design a visually appealing user interface. The successful completion of this project demonstrates my ability to integrate hardware and software components to develop innovative solutions.
- Academic Training Familiarization of Aircraft Accessories Assembly - 6 Week Summer Training at *Hindustan Aeronautics Limited, Accessories Division - Lucknow* in its Assembly and Testing Shop (June - July 2004)
- Academic Training Familiarization of Aircraft Accessories Manufacturing 6 Week Summer Training in *Hindustan Aeronautics Limited, Accessories Division - Lucknow* in its Instrumentation Factory Clean Rooms (June - July 2005).



Volunteer Activities

Active involvement in:

- Planned and coordinated Pune FOSS User Group's Science Day event at GMRT annually from 2012 to 2024, aimed at promoting FOSS awareness. [Glimpse of Science Day 2024](#)
- Volunteered actively for DebConf'23, the annual international Debian conference held in Kochi, Kerala.
- Debian packaging for a new Debian blend **Debian-Astro** dedicated for Astronomy and Astrophysics. <https://blends.debian.org/astro/>
- Coordinated and conducted mini-Debian conferences in various colleges nationwide to promote awareness about Debian and other FOSS initiatives.
- Advocated and promoted the use of various FOSS technologies including Debian, Raspbian, Podman, CentOS, Diaspora (a FOSS-based alternative to social media), Moodle, Git, LaTeX, Emacs, and more.
- Organized workshops in educational institutions to familiarize students with the tools and technologies of FOSS.
- Initiated the establishment of a **hacker space** in Pune, taking inspiration from the successful Kovalam E-Kalari (KEK) in Trivandrum, to create a collaborative and practical learning environment for exchanging ideas and knowledge.
- Facilitated computer education and promoted OpenSource software in municipal schools and non-profit organizations aimed at uplifting women and children facing financial constraints.

An active volunteer:

- Established and currently oversee **Pune FOSS User Group**, a community-driven initiative dedicated to promoting computer literacy and advancing OpenSource software adoption. <https://pfug.org>
- of **Free Software Community of India** (FSCI)
- of **Pune Linux User Group** (PLUG).
- during **Science Day** 2011 to 2024 at GMRT, Pune.

Other Contributions and Interests:

- I thoroughly documented my expertise, detailing system configurations and technologies I've worked with. You can access and share this documentation easily on the Trac Wiki hosted on OpenShift4. [Link](#).
- Created and released Open Source scripts aimed at streamlining and automating daily tasks. Continuously maintaining and updating them on the [UsefulScripts](#) repository on GitHub.
- Accomplished the closure of a Six Sigma Project on a few major issues during my tenure at E-Durables.
- Organized *Identification* Quiz as part of Sandhaan-2006, a prestigious national-level technical event held at BIET Jhansi.
- Studied Astronomy during Bachelor's at University of Lucknow, inspiring career despite discontinuation after second year for Engineering.
- Contributed as a volunteer at Indian Science Congress-2002.
- Coordinated and presented an engaging Astronomy Exhibition on COSMOS and Solar System at the University of Lucknow during Indian Science Congress 2002.

Conferences and Workshops

- Attended DebConf'22 and participated in DebCamp during **International Debian Conference** at Prizren, Kosovo in July 2022.
- Attended RedHat workshop on *Hands-on with OpenShift* in April 2022.
- Taken RedHat **DO080** course on *Containers, Kubernetes and OpenShift Technical Overview* in April 2022.
- Attended **PyData** Conference at New Delhi in August 2019.
- Participated in DebConf'18 **International Debian Conference** at Hsinchu, Taiwan in July-August 2018.
- Attended Big Data's **Pune Data Conference** in April 2017, 2018.
- Attended AWS **Amazon Web Services** conference at Mumbai in May 2017.
- Attended **PyCon 2017** at Pune in February 2017.
- Attended *GNUunify* workshop at SISR, Pune in February 2014, 2015 and 2016.
- Attended Arduino workshop organised by Do It Yourself Labs at Thoughtworks, Pune in May 2014.
- Attended CDAC's **Garuda Grid Computing** workshop in August 2012.
- Attended Radio Astronomy Winter School at NCRA-TIFR, Pune in December 2009.
- Attended International workshop on *Machine Learning Methods in Astronomy* organized by IUCAA at MACFAST College Thiruvalla (Kerala) in Jan.'09.
- Attended *National Conference on Computational Science and Engineering – 2009* organized by Rajagiri School of Computer Science, Cochin (Kerala) in Feb.'09.
- Selection in Telescope making workshop at IUCAA-Pune in 2003.



Talks Delivered

- Presented talk on *My expedition of Podman with Debian* during DebConf'22 at Prizren, Kosovo in July 2022. <https://debconf22.debconf.org/talks/62-my-expedition-of-podman-with-debian>
- Conducted workshop and given talk on **Introduction to BigData and Hadoop** at *Zimbra, Pune* in December 2018.
- Organised and delivered talk at Mini DebConf at College of Engineering, Pune in July 2016.
- Delivered talk on Introduction to Raspberry Pi at *FOSS Meet* at **NIT-Calicut** in February 2013.
- Delivered talk on Introduction to Debian in Indian Institute of Information Technology and Management - Kerala, Thiruvananthapuram in February 2012.

Personal Details

Date of Birth 02-August-1984

Nationality Indian

Gender Male

Languages Fluent: English and Hindi, Beginner: Marathi

Address Aundh Road, Bopodi, Pune, Maharashtra

Hobbies Astronomy, Photography, Trekking, Stargazing, Driving, Exploring Natural and Historical Places, Sci-Fi Movies.

Personal Webpage <https://akshatsingh.co.in>

Declaration

All the information furnished above is true to the best of my knowledge and belief.

Place : Pune

Akshat Singh

