

ROHITH P

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Technical Skills

- **Languages and Databases:** Python, C, C++, Java, CassandraDB, OracleDB, MySQL, SQLite, MongoDB
- **Web Technologies:** HTML, CSS, JavaScript, Node.js, PWA, Postman
- **Cloud and Tools:** GCP, AWS, Azure, Docker, Jenkins, Figma, Jira, SonarQube
- **Frameworks:** FastAPI, TensorFlow, PyTorch, Scikit-learn

Experience

Verizon

July 2024 – Present

Engr 1 software development

Chennai, India

- Received the **Spotlight Award** for building **DB Health Check (DBCH)**, a full-stack **React and Node.js** self-service platform that reduced **MTTR by 60%** by enabling real-time database monitoring and proactive fault detection across large-scale distributed environments.
- Developed a **Recycle Bin Purge Automation Tool** for Oracle databases, enabling safe cleanup of unused objects and seamless integration with DBCH for end-to-end visibility.
- Built **Cassandra Query Filter** and **Cluster Status Tools** to deliver real-time node health metrics and query performance insights, improving observability and reliability at scale.
- Automated production workflows using **Jenkins** and **Node-RED**, enhancing operational efficiency and resilience across high-traffic Cassandra clusters.

Verizon

Feb 2024 – July 2024

Intern – SRE (DB)

Chennai, India

- Contributed to SRE initiatives using **Jenkins**, **Ansible**, and **AWS** to improve automation and fault tolerance in Cassandra infrastructure.
- Implemented dashboards and alerting systems with **Datastax OpsCenter**, **New Relic**, and **Grafana** to improve system observability and incident response.

Projects

Amrita Tree App - Hackathon | *JavaScript, SQLite, PWA* [AmritaTrees]

October 2022 – January 2023

- Led a team to develop an environmental awareness app aimed at promoting sustainability.
- Designed and implemented core functionalities using JavaScript, SQLite, and PWA for offline accessibility.
- Performed development and testing to ensure smooth user experience across devices.

Amrita Multi-Dimensional Data Analytics | *Federated Learning, Linear Regression*

June 2022 – December 2023

- Developed a federated learning model to analyze tomato drying conditions in a polyhouse setup.
- Implemented a linear regression model to analyze multi-dimensional environmental data.
- Handed over the project as a legacy system to junior team members for further enhancements.

Achievements

Spotlight Award - Verizon

March 2025

SDE -1

- Recognized for developing **DB Health Check (DBCH)**, a critical production tool that significantly **reduced MTTR during outages**, improving database observability and operational efficiency.

Green Hackathon – Amrita Vishwa Vidyapeetham

January 2023

Team Leader

- Led a team in the **Green Hackathon**, competing against 20+ teams to develop an innovative environmental solution, demonstrating leadership, teamwork, and analytical thinking.
- Recognized for outstanding performance and awarded by the **Dean of the college** for innovation and excellence.

Education

Amrita University

Bachelor of Technology in Computer Science and Engineering

Oct 2020 – Sep 2024

Coimbatore, Tamil Nadu