

# Aravind S

[aravinds.mec@gmail.com](mailto:aravinds.mec@gmail.com) · +91 94960 68870 · [linkedin.com/in/ars-it](https://www.linkedin.com/in/ars-it)

Java Developer with 3 years of experience in building Eclipse-based tools and Spring Boot applications. Skilled in Java, OOP, and writing unit tests with JUnit and Mockito. Proficient in Git, with experience across the full SDLC in Agile teams, delivering scalable, maintainable solutions in the automotive domain. Passionate about innovation and currently exploring Generative AI, with hands-on experience in LLM integration, prompt engineering, and building AI-powered web applications.

---

## EDUCATION

APJ Abdul Kalam Kerala Technological University

Bachelor of Technology in Computer Science, GPA: 9.04/10

Kerala, India

Aug 2018 - Jun 2022

---

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python.
  - **Concepts:** Data Structures, Algorithms, Object Oriented Programming, Microservices.
  - **Web Technologies and Frameworks:** Spring Boot, Hibernate, Flask, REST APIs.
  - **Database & Storage:** MySQL, MongoDB, AWS S3.
  - **Testing:** JUnit, Mockito.
  - **DevOps & Tools:** Docker, Jenkins, Maven.
  - **Version Control:** Git.
- 

## WORK EXPERIENCE

Bosch Global Software Technologies

Coimbatore, India

*Java Developer*

Sep 2022 – Dec 2023

- Developed Java plugins for **AEEE Pro**, an Eclipse-based automotive tool used by **5,000+** associates across multiple business units and **10+** global customers.
- Designed and executed unit tests using **JUnit** and **Mockito**, achieving high code coverage.
- Built import workflows using **Java 11**, reducing manual effort by **40%** and enhancing integration efficiency.
- Implemented XML export functionality leveraging **JAXB**, enabling seamless data exchange and interoperability.
- Managed version control using **Git** and collaborated effectively in a team setting.
- Handled end-to-end release cycles in **Agile** environment using **JIRA**, ensuring timely, quality deliveries.

*Backend Developer*

Jan 2024 - Present

- Developed a responsive web application using **Spring Boot** and **Microservices** architecture to streamline **AUTOSAR** requirements management and validation.
  - Designed and consumed **RESTful APIs**, ensuring seamless integration between frontend and backend modules.
  - Integrated **Apache Kafka** for asynchronous processing and real-time email notifications, enhancing user engagement and boosting internal productivity by **30%**.
  - Verified API functionality using **Postman** for manual testing and implemented unit tests and mocking with **JUnit** and **Mockito**, increasing test reliability.
  - Designed and implemented a cloud-native file handling service, integrating **AWS S3** for file storage and retrieval, managing **MongoDB** for metadata.
  - Developed a **Python**-based tool to automate the conversion of **LDF** (LIN Description Format) files to **DBC** (CAN database format) via intermediate Excel mapping, replacing costly licensed tools with an in-house solution.
  - Scaled the POC into a **Flask** application with a **React**-based UI, enabling **100+** associates across India and Europe to view and manage files without licensing restrictions.
- 

## PROJECTS

[TalkWithYourDB](#) | Natural Language Database Query Tool

- Engineered an application that converts natural language queries into Database specific queries using **AI**, enabling easy database querying for non-technical users.
- Supports multiple **SQL** and **NoSQL** database types and enables real-time querying by connecting to both local and cloud-hosted databases.
- Built frontend with **React** and **Next.js**, **LLM** integration, and advanced prompt engineering, focusing on seamless user experience.

### [AI Portfolio](#) | Interactive AI-Powered Resume

- Developed a dynamic AI-based portfolio enabling recruiters to interact with a chatbot and inquire about my projects, experience, skills, and resume in real time.
  - Uses LLM-based prompt engineering for automated profile exploration.
  - Built with Next.js and deployed on Vercel for seamless performance and scalability.
- 

### **AWARDS & ACHIEVEMENTS**

- Synergic Force Award (2024) : Awarded for ideating a POC and successfully scaling it into a business application.
- CrowdSourcing Champ (2023) : Awarded for crowdsourced collaboration and delivering a successful bug fix for a critical legacy application.