Sharan S C

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EDUCATION

Bachelor Of Engineering: The Oxford College of Engineering, Bangalore   9.32 CGPA | 2023 – 2027

SKILL SUMMARY

Programming Languages: Java, C, C++, JavaScript   **Frameworks & Libraries:** Spring Boot, React

Cloud Computing: AWS EC2, S3, RDS, IAM, Lambda, Fargate   **Databases**: MySQL, MongoDB, PostgreSql

Tools & Platforms: Maven, Git & Version Control, Postman, Docker   **Messaging & Streaming**: Apache Kafka, WebSockets

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EXPERIENCE

Software Development Intern | INTELAIX   NOV 2025 – JAN 2026

Worked on backend systems for scalable web push notifications and event-driven communication

- Built backend services using **Java Spring Boot** and **Apache Kafka** for asynchronous notification processing
- Designed REST APIs to manage **Firebase Cloud Messaging (FCM)** tokens and notification delivery
- Implemented Kafka consumers to trigger real-time push notifications based on system events
- Assisted in deploying and running services on **Linux virtual machines**

PROJECTS

Sentinel – Reimbursement Fraud Detection System | Microservice Architecture | [GitHub](#)

Java, Spring Boot, OCR(tesseract), PostgreSQL, Docker, REST APIs

- Designed two Spring Boot microservices: **Reimbursement Request Service** and **Employee Policy Management Service**, enabling clean separation of claim processing and policy enforcement
- **Implemented an end-to-end reimbursement workflow** handling JSON + receipt image uploads, **integrating Tesseract OCR and AI-based extraction** to validate receipt data against user-submitted claim details and manage request lifecycle states
- Built a **fraud detection engine** combining rule-based checks, historical analysis, **perceptual image hashing (pHash)**, and **text hash similarity** to identify duplicate or manipulated receipts
- Enforced **policy-limit validation** and historical spending checks, generating fraud scores and categorizing claims into LOW, MEDIUM, HIGH, and CONFIRMED fraud levels

Stature - AI-Powered Resume Builder | Microservices Architecture | [GitHub](#) | [LIVE](#)

Java, Spring Boot, Spring Cloud, Google Gemini AI, Apache POI, Eureka, API Gateway, Maven

- **Architected a Spring Cloud–based microservices system** using Eureka and API Gateway, integrating **Google Gemini AI** to optimize resume content for ATS compatibility with **90%+ parsing success**
- Implemented **Apache POI** to generate fully editable Microsoft Word (.docx) documents with professional formatting
- Developed RESTful APIs for resume creation, AI optimization, and document generation with inter-service communication
- Configured load balancing, fault tolerance, and distributed architecture patterns with MongoDB for data persistence

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ACHIVEMENTS & PUBLICATIONS

- Solved **750+** problems on LeetCode, achieving a maximum contest rating of **1677** through consistent competitive programming participation
- Published research paper "FBG Sensor Design and Analysis for Early Detection of Cancer" as First Author in **IEEE** Xplore (2024)