SRISHTI RAO

Software Engineer

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SUMMARY

An aspiring software engineer with experience in developing secure backend services, microservices, and Financial Technologies (FinTech) applications using Java, Spring Boot, and Apache Kafka. Currently pursuing a B.Tech in Artificial Intelligence, with practical exposure to AI/ML projects and modern web technologies.

EXPERIENCE

WOW Finstack   Hybrid

Software Developer   Dec 2024 - Present

- Developed secure **RESTful backend services** and APIs with Java, Spring Boot, implementing best practices for authentication, authorization, and error handling.
- Designed and implemented a scalable microservice for **dynamic QR code generation** with support for customization and integration between services.
- Implemented the **User Management module** in a **Card Management System** to support onboarding, authentication, and account profile management.
- Integrated frontend for the **Card Management and Core Banking Systems**, providing users with a seamless web interface to access and manage features.

PERSONAL PROJECTS

- **Breast Cancer Classification from Histopathology Images**
  The project takes a medical image and classifies the type of breast cancer using ViT and ResNet models. Provides a side-by-side visual explanation using Grad-CAM and SHAP to make the predictions interpretable, regulated by the XAI regulator for reliable results.
- **Voice Assistant for Elderly Care**
  A voice-enabled assistant designed to support elderly users with reminders, weather information, and emergency alerts providing an intuitive and accessible interface to enhance independence and safety.
- **Dynamic QR Management**
  Designed and implemented a system to generate user-specific dynamic QR codes with optional image customization.

SKILLS

- **Programming Languages:** Java, Python, C, C++, JavaScript, HTML, CSS
- **Frameworks & Technologies:** Spring Boot, React.js, PyTorch, Docker, Apache Kafka
- **Databases:** PostgreSQL, MySQL (Database Design, Query Optimization, SQL)
- **AI & Machine Learning:** Model Training, Data Preprocessing, Supervised/Unsupervised Learning, Python Libraries (NumPy, Pandas, Matplotlib, Scikit-learn, OpenCV)

- **Security:** JWT, HMAC, Encryption
- **Domain Knowledge:** Financial Technologies (FinTech), Card Transaction Processing, Payment Management Systems
- **Soft Skills:** Leadership, Adaptability, Collaboration, Self-Learning, Communication, Problem Solving

EDUCATION

Sardar Vallabhbhai National Institute of Technology   Surat, Gujarat
Bachelor of Technology in Artificial Intelligence   2023 - Present

- **CGPA:** 6.95/10

Global Indian International School   Singapore
Secondary and Senior Secondary Education   2017 - 2023

- **Class 10:** 95.8%
- **Class 12:** 89%