

# Deeparishi A

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## Professional Summary

**Backend Developer** with 1.8 years of experience building **REST APIs**, **microservices**, and working with messaging tools like **Kafka**. Hands-on with **Spring Boot**, **SQL/NoSQL databases**, and basic **cloud deployment**, while collaborating in **Agile** environments. Interested in learning more about **System Design**, **Scalable Backend systems** and exploring automation through **AI tools**, **AI Agents**, and **MCP**.

## Technical Skills

**Languages:** Java 17, SQL

**Backend:** Spring Boot, Spring MVC, Spring Security, REST APIs, Hibernate/JPA, Microservices

**Databases & Messaging:** MySQL, MongoDB, Redis, RabbitMQ, Apache Kafka

**Frontend & Tools:** React (TypeScript, API Integration), Maven, Gradle, Docker

**Cloud & DevOps:** AWS (EC2, RDS, S3), Azure AD, Git, CI/CD (Basic), Linux (Basic)

**Testing & Quality:** JUnit, Mockito, SonarQube, JMeter

## Experience

**Jr Software Engineer, HEPL (CavinKare Groups)**

**May 2024 – Present**

### Project: FinTech

- Optimized a legacy API using **in-memory aggregation** and **multi-threaded batch processing**, reducing execution time **from 45 min to under 5 sec** while preserving complete **data integrity**.
- Integrated **20+ lender partner APIs** with **fault-tolerant** design with retries and fallback logic, improving API success rate by **15–18%**.
- Contributed to APIs that automated applicant-to-lender workflows, reducing manual operations by **35–40%**.
- Strengthened code quality using **SonarQube**, **JUnit**, and effective **debugging techniques** to identify and fix bugs, reducing **production problems**.
- Implemented **CIBIL API integration** and secured sensitive data with **AES-256 encryption**, reducing compliance-related risks by **30%**.

### Project - Trove

- Built **RESTful APIs** and **microservices** that improved stability and optimized JSON structure by **30%**.
- Implemented **authentication and authorization** flows using **Spring Security**, **SSO**, **OTP**, **OAuth2**, **JWT**, improving login reliability by **30%**.
- Contributed to **FFmpeg-Kafka** service to generate **multi-resolution media outputs**, reducing buffering **latency by 50%** and integrating storage with **AWS S3**.
- Added **real-time messaging** using **WebSockets** and **Redis**, cutting unnecessary DB queries by **25%** and improving concurrent user responsiveness.

## Projects

### Order My Meal ([GitHub](#))

- Built a small **microservices** based project to understand concepts like **API Gateway**, **Eureka**, **Config Server** and async service communication.
- Implemented a basic **Kafka + Redis** setup to handle order updates and understand event-driven workflows.
- Added simple **Prometheus/Grafana** monitoring and **Dockerized** the services to explore observability and container-based deployments.

## Education

**Vel Tech Multi Tech DR RR DR SR Engineering College**

**Aug 2019 – May 2023**

BE - Mechanical Engineering | CGPA: 8.17/10

## Certifications

**DSA with Java – Udemy ([Certificate](#))**

**Jun 2025**

**SDE Assessment – HackerRank ([Certificate](#))**

**Oct 2024**

**Java with SQL – Besant Technologies ([Certificate](#))**

**Dec 2023**