

# AYUSH MISHRA

## Software Engineer

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📍 Bengaluru, Karnataka - India

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## EXPERIENCE

### Software Engineer

#### [Tata Consultancy Services](#)

📅 Oct 2021 – Present

📍 Bengaluru, India

- Enhanced system functionality and user experience by developing and optimizing middleware solutions for the **TCS BaNCS** product using the **Spring Framework**, reducing response times by **30%**.
- Designed and maintained **RESTful APIs**, improving data communication and system integration, leading to a **40% reduction** in API response failures and improved service uptime.
- **Delivered 50+ banking services**, ensuring on-time project completion and contributing to a **15% increase in client retention** through high-quality service delivery.
- **Led deployments and production support**, optimizing CI/CD pipelines and managing **Go-Live phases**, resulting in a **35% decrease in deployment failures** and **99.9% system uptime**.
- **Developed and optimized SOAP banking services**, including beneficiary transfers and currency conversions, reducing **transaction processing errors by 25%** and improving operational efficiency.

### Software Engineer Intern

#### [Nagarro Softwares](#)

📅 Jan 2021 – Jun 2021

📍 Gurugram, India

- Designed and developed **Spring Boot microservices** to enhance application scalability, security, and maintainability in banking systems.
- Implemented **Hibernate and Spring JPA** for optimized database interactions, improving query performance and data consistency.
- **Collaborated with cross-functional teams** to troubleshoot, debug, and enhance application reliability, reducing downtime and improving system stability.
- Integrated **Spring Security with JWT authentication** and role-based access control to enhance application security and compliance.
- **Utilized Git for version control**, ensuring efficient repository management, seamless code collaboration, and streamlined development workflows.

## TECHNICAL SKILLS

- Programming Languages: **Java, C/C++, JavaScript**
- Frameworks: **Spring Boot, Angular**
- ORM Tool: **Hibernate/JPA**
- Build Tool: **Maven**
- Databases: **MYSQL/MongoDB**
- CI/CD Pipeline: **Jenkins**
- API Documentation: **Swagger**
- Developer Tool: **IntelliJ, Postman**

## PROJECTS

### AI Banking Chatbot Assistant

- Developed an intelligent chatbot assistant integrated with **OpenAI's Ollama and Mistral** models using **Spring AI** to provide automated customer support for a banking application.
- Built **RESTful APIs** to integrate the chatbot with core banking services, ensuring secure communication between the microservices.
- Tech Stack: **Java, Spring Boot, OpenAI API, Spring AI, RESTful APIs**.

### Intelligent Banking API

- Implemented **core banking services** such as debit, credit, and balance inquiry using **Spring Boot microservices**, enhancing transaction processing efficiency.
- Integrated **email notification services** to send real-time alerts for banking transactions, improving customer engagement and fraud prevention.
- Secured the application with **Spring Security** by implementing **JWT-based authentication and authorization**, safeguarding customer data and enforcing role-based access control.
- Developed an **AI-powered chatbot assistant** to provide automated customer support for inquiries such as account status and transactions, reducing response times and improving customer satisfaction.
- Tech Stack: **Java, Spring Boot, OpenAI API, Spring AI, RESTful APIs, JWT**.

## ACHIEVEMENTS

- **Winner of Smart India Hackathon 2020** and finalist of 2019 and 2021.
- **Star Of the Month** - Tata Consultancy Services.
- **Technical Excellence Award** - Tata Consultancy Services.
- **Service And Commitment Award** - Tata Consultancy Services.
- **Team Applause Award** - Tata Consultancy Services.

## EDUCATION

B.Tech. (CSE) - 9.0 CGPA

**Rajiv Gandhi Proudyogiki Vishwavidyalaya**

📅 April 2017 – April 2021