

# Mohammed Usman Shaik

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## SKILLS

**Programming Languages:** Java, Python  
**Frontend:** HTML, CSS, JavaScript, React.js, Tailwind CSS  
**Backend:** Node.js, Spring Framework, Spring Boot, RESTful APIs  
**Databases:** MySQL, PostgreSQL, MongoDB  
**Testing:** JUnit, Unit Testing, Integration Testing, Manual Testing  
**Tools & Technologies:** Git, GitHub, AWS, Docker, Postman  
**Core Concepts:** Data Structures & Algorithms, OOP, System Design, REST API Design, Database Design, SQL Optimization, Agile/Scrum, SDLC.

## PROJECTS

**Bank Management System** Oct 2024 – Dec 2024  
Java, MySQL

- Developed secure Banking System (Java, MySQL) with authentication, RBAC & transaction processing.
- Optimized database performance by 40% using normalized schema and SQL indexing.
- Built real-time transaction engine with automated calculations & 85% test coverage.

**Audio Visual Framework for Active Speaker Isolation** Jan 2025 – May 2025  
JavaScript, Web Audio API, Beamforming

- Built a real-time audio processing framework to isolate active speakers in multi-user video environments.
- Applied beamforming and audio signal analysis techniques for accurate speaker detection.
- Optimized audio pipelines to deliver low-latency, high-accuracy real-time performance.

**Multi-Tenant Project Management Platform** Aug 2025 – Jan 2026  
React.js, Spring Boot, MySQL, JWT, REST API



- Engineered SaaS platform with QR code-based onboarding, unique org codes, RBAC, and multi-tenant architecture reducing onboarding time by 85%.
- Built RESTful APIs with JWT authentication, CRUD operations and performance analytics.
- Optimized database performance by 60% using indexing and normalization.

## INTERNSHIP

**Web Developer Intern – Omni Tech Solutions** Dec 2024 – Jan 2025  
Bengaluru, India

- Developed a full-stack web application to digitize and streamline library book management.
- Built a real-time dashboard to monitor scanning stations, track book assignments, and analyze scanning progress using date-filtered reports.
- Implemented a book entry system to reduce the manual data entry effort by 70%.

## ACHIEVEMENTS & CERTIFICATIONS

- Java Full Stack Development** - Tap Academy (Jan 2026) 
- Application Developer Certification** - Rooman Technologies (Sep 2024 – Feb 2025) 
- Core Java + Software Testing Certification** - Besant Technologies 
- Machine Learning Foundation Certification (Silver)** - NASSCOM / IT-ITeS SSC 

## EDUCATION

**Vemana Institute of Technology** 2022 – 2025  
Bachelor of Engineering in Computer Science, CGPA: 6.9 Bengaluru, India

**Sri Venkataraju Institute of Technology** 2019 – 2021  
Diploma in Computer Science, Percentage: 68% Bengaluru, India