# Meet Mulik

meetmulik5@gmail.com | +91-8369401040 | LinkedIn | GitHub | LeetCode | Portfolio

## Education

**Vivekanand Education Society's Institute Of Technology (VESIT)** *2020 – 2024*
*Bachelor of Engineering in Information Technology, 9.48 CGPA* *Mumbai, Maharashtra*

## Experience

**Deloitte USI** *November 2024 – Present*
*Backend Developer* *Pune, India*

- Designed and deployed **scalable Spring Boot microservices** handling high-throughput traffic; reduced API latency and improved system reliability through optimized service design and efficient resource utilization.
- Optimized **REST APIs and database queries**, reducing average response time from **∼350ms to <150ms** for high-traffic endpoints and improving overall system throughput.
- Built an **asynchronous processing pipeline using AWS SQS** handling **∼10k jobs/day** with **retry** and **idempotency** mechanisms.
- Optimized API performance and reduced database load by **40%** by implementing a **caching layer using Amazon ElastiCache (Redis)** for frequently accessed data.
- Developed and delivered multiple MVP applications for global pharmaceutical clients, leveraging **GitHub Copilot**, **Antigravity**, and **Cursor** to accelerate feature development and reduce time-to-market by **35%**.

**DocTrue** *March 2024 – October 2024*
*Full Stack Developer* *Remote*

- Led end-to-end development of a **healthcare SaaS platform** using **Node.js, Express.js and Next.js**, scaling the system from **5 to 50+ hospitals** and supporting **50K+ booking transactions** across multiple healthcare providers.
- Designed and optimized **PostgreSQL schemas and complex SQL queries**, introducing indexing and query refactoring that improved database query performance by **30%** for high-volume booking and reporting workloads.
- Designed an **asynchronous notification system using Redis and Bull queues** to process **WhatsApp message delivery** for booking confirmations and reminders, increasing background task processing throughput by **40%** while decoupling messaging workflows from core APIs.
- Designed and developed an **internal operations dashboard using Next.js and TypeScript** for hospital onboarding, doctor management, and operational reporting, significantly improving internal workflows and platform administration across **50+ hospitals**.
- Deployed services on **AWS (EC2, S3, CloudFront)** and implemented CI/CD pipelines, improving deployment reliability and reducing manual release overhead for production updates.

## Projects

**Devise** | *Spring Boot, Spring Data JPA, Microservices, RabbitMQ, Docker, PostgreSQL, Redis, AWS S3*

- Built a **LeetCode-like coding platform** using **Spring Boot microservices** enabling users to solve problems and receive automated judge results; implemented **JWT-based authentication and RBAC (USER/ADMIN)** using **Spring Security**.
- Designed and implemented **RESTful APIs** using **Spring Boot and Spring Data JPA** for problem management, submissions, and user activity tracking with isolated PostgreSQL databases per service.
- Developed a secure **Docker-based code execution engine** to compile and run untrusted multi-language submissions (**C++, Java, Python**) with strict CPU and memory sandboxing.
- Implemented an **event-driven submission processing pipeline using RabbitMQ** enabling asynchronous evaluation of code submissions and improving system scalability under concurrent workloads.
- Integrated **AWS S3** for storing problem testcases and submission artifacts using presigned URLs, enabling scalable and secure storage for execution assets.

## Technical Skills

**Languages**: Java, Python, JavaScript, TypeScript, SQL, HTML, CSS
**Backend & Frameworks**: Spring Boot, Spring Data JPA, Node.js, Express.js
**Databases & Caching**: PostgreSQL, MySQL, MongoDB, Redis
**Messaging**: Apache Kafka, RabbitMQ, AWS SQS
**Tools & Infrastructure**: AWS (S3, ECS, EC2), Docker, Git, CI/CD

## Achievements

**Applause Award — Deloitte USI** for outstanding performance and contribution to backend engineering deliverables in production systems.

**2nd Place — HackOver 3.0** organized by Google Developer Student Club (GDSC-CRCE) for building an innovative full-stack solution.