Mohammad Amaan Lari

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Education

KIET Group of Institutions, B. Tech in Information Technology   Nov 2021 to Jul 2025
- **Coursework:** Data Structure & Algorithm, Database Management System, Operating System, Computer Networks, Web Technology (Servlet & JSP)

Experience

Software Developer Intern, Viral Fission – Mumbai, India   Jul 2024 to Dec 2024
- Designed architecture of the notification system using **Redis** and **Kafka**, to improve the performance by replacing inefficient **cron-based** monitoring.
- Enhanced API error handling by integrating **Global Exception Handler** and custom exceptions, simplifying integration for mobile developers.
- Developed the corporate website back-end with **CMS** features for content updates, improving admin usability.
- Revamped the code with coding best practices, including **environment-specific** configuration management with yml/properties files.

Open Source Collaborator, Oppia – (Remote)   Nov 2023 to Sep 2024
- Automated data seeding for dev testing via the admin dashboard in local server, reducing setup time from 5 minutes to seconds.
- Removed obsolete feature flags and migrated a component to the Angular router, streamlining the code-base.

Projects

Blogger Hub
- Built **RESTful APIs** using **Spring Boot** for blog management and user operations.
- Designed **Redis**-based OTP storage and delivery with **Gmail SMTP**.
- Implemented **role-based access** control and **JWT** authentication (access and refresh tokens).
- Stored blog content in Markdown format and integrated **Cloudinary** for image uploads.
- Deployed on **Azure** and conducted endpoint testing with **Postman**.

Canteen-Connect
- Major team project; built and deployed an MVP of a real-time food ordering system.
- Created a user portal website using **React** and a mobile app using **Flutter**.
- Designed a simple backend for **food ordering** with integrated **payment functionality**.
- Implemented token-based pickup verification for seamless operations.
- Deployed the backend to enable takeaway orders, minimal user experience for ordering, and token sharing with the admin (canteen).

Social Media API
- Developed RESTful APIs for user profiles, posts, and comments using **Spring Boot** and **MySQL**.
- Secured APIs with **JWT** authentication and improved documentation with **Swagger/OpenAPI**.

Skills

Languages: Python, Java, JavaScript, Kotlin

Frameworks: Flask, Spring Boot

Tools: Git, GitHub, Intellij IDEA, VS-Code, Figma, Postman

Database: MySQL, PostgreSQL, MongoDB