

Muhammed Umer S

mohdumer77md@gmail.com | +91 9445886230 | muhammed-umer-s.vercel.app
linkedin.com/in/muhammed-umer-s | github.com/Muhammed-umer | leetcode.com/Muhammed_Umer

SUMMARY

Computer Science Engineering student with strong problem-solving skills, verified by 600+ solved LeetCode problems. Experienced in engineering full-stack, LLM-integrated systems through focused technical projects and a dedicated software internship.

EXPERIENCE

National Informatics Centre (NIC) Software Engineering Intern

Oct 2025 – Dec 2025
Erode, India

- Developed one of the core modules for the e-Record Room digital solution of the **Erode Collectorate** using Spring Boot, PostgreSQL, JPA, and HTMX.
- Transitioned legacy manual record-keeping into an automated digital solution, optimizing data rendering pipelines for large database records to minimize page latency and streamline UI navigation for end-users.

PROJECTS

LinguaStream Microservices Chat App

React, Spring Boot, Python, WebSockets

GitHub Link: github.com/Muhammed-umer/linguastream-multilingual-chat-app

- Engineered** a real-time multilingual chat platform utilizing React, Spring Boot, Python, and WebSockets.
- Integrated** the AI4Bharat IndicTrans model via a Python-based microservice to process automated message translations.
- Designed** a decoupled microservices architecture to enable independent scaling of individual system services.

AI Code Debugger (CLI Tool)

Python, Hugging Face API, Qwen-2.5-7B

GitHub Link: github.com/Muhammed-umer/Ai-debugger-agent

- Developed** a CLI tool that automatically scans source files to detect errors, generates targeted fixes using LLMs, and updates code blocks.
- Leveraged** the Qwen-2.5-7B model via Hugging Face Inference APIs to implement seamless, automated debugging workflows.

Smart Campus Hackathon Portal

React, Tailwind CSS, Firebase

Live Link: gcee-sch26.web.app

- Architected** and developed the official front-facing registration web application interface for the Smart Campus Hackathon '26.
- Deployed** and maintained the centralized platform using Firebase Hosting infrastructure to ensure reliable user access.

Job Application Tracker

React, Spring Boot, MySQL, Spring Security

Live Link: job-application-tracker-2i8j.onrender.com

- Built** a full-stack recruitment tracking system designed for structured job application management.
- Implemented** secure user authentication protocols utilizing Spring Security and BCrypt password encryption backed by a relational MySQL database.

Technical Skills

- Languages:** Java, Python, C
- Backend:** Spring Boot
- Frontend:** React, Tailwind CSS
- Databases:** SQL
- AI/ML:** Hugging Face, LLM Integration
- Tools:** Git, GitHub, IntelliJ IDEA

Certifications

- Advanced Prompt Engineering Techniques
- Google Crash Course on Python
- IBM Python for Data Science & AI
- C for Everyone (UC Santa Cruz)
- HackerRank: Java, Python, SQL, Problem Solving

ACHIEVEMENTS

- Built a fully proctored placement management system and secured **Top 4** among 30+ teams in AgentVerse AI Project Expo (2026).
- Secured **1st Prize** in CodeQuest and Inferno among 50+ participants from various colleges at Government College of Technology, Coimbatore.
- Secured **1st Prize** among 25+ teams from various colleges in CrackNCode at PSG Institute of Technology and Applied Research.
- Secured **1st Prize** in Code Debugging at **GUSTO 2026** and **GUSTO 2025** consecutively, competing against over 50+ participants.
- Secured **2nd Prize** among 50+ participants from various colleges in an Inter College Coding Contest at Kongu Engineering College.
- Secured **2nd Prize** for presenting a paper on **Hallucination-Free AI for critical domains using RAG** among 50+ participants from various colleges at Kongu Engineering College.
- HackerRank:** 5 Star Gold Badge in Java and Python, 4 Star Silver in Problem Solving and C.
- LeetCode:** Solved 600+ problems with a 300+ day consistency badge.

EDUCATION

Government College of Engineering, Erode
B.E. Computer Science and Engineering
CGPA: 8.70 / 10 (Till 5th Semester)

Erode, India
2023 - 2027