

# KUMAR MANGLAM

Bengaluru, Karnataka

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LinkedIn

GitHub

LeetCode

Codeforces

## EDUCATION

### Sir M Visvesvaraya Institute of Technology

B.E - Computer Science and Engineering - **CGPA: 8.34**

2022 – 2026

Bengaluru, Karnataka

## COURSEWORK / SKILLS

- Data Structures & Algorithms
- Network Security
- Artificial Intelligence
- Cloud Computing
- Operating Systems
- Database Management System (DBMS)
- OOPS Concept
- DevOps

## PROJECTS

### Employee Management System ↗ | REACT, HTML, CSS, JAVA, SPRING BOOT, MY SQL 02 2025

- **User Authentication:** Implemented secure login and registration system using Spring Security and JWT for user authentication.
- **Task CRUD Operations:** Developed a task management interface allowing users to create, read, update, and delete tasks efficiently.
- **Real-time Updates:** Utilized Spring Boot and WebSockets for real-time task updates without page refresh.
- **Employee Notifications:** Implemented email notifications and scheduled reminders for critical HR deadlines using Spring Boot scheduling and email services.
- **Object-Oriented Programming:** Leveraged OOPS principles (inheritance, encapsulation, polymorphism) to build modular, maintainable, and extensible components.
- [Project Repository Link](#)

### Medical Health Chatbot ↗ | Python, LangChain

- **LLM-Powered Responses:** Integrated OpenAI's GPT via LangChain to provide empathetic, contextual, and supportive responses to mental health queries.
- **PDF Knowledge Uploads:** Enabled users to upload PDF resources (e.g., mental health encyclopedia); documents are chunked and vectorized for semantic retrieval.
- **Vector Search with FAISS:** Used FAISS to retrieve relevant document chunks in real-time, grounding chatbot responses in factual literature.
- **Robust Workflow:** Implemented LangChain pipeline (load → chunk → embed → retrieve → respond) for explainable, accurate interactions.
- [Project Repository Link](#)

## EXPERIENCE

### Tata Forage ↗

16 Aug 2025

GeNAI Powered Data Analytics Job Simulation

- Job Simulation by Forage TATA.

### PackinClub ↗

11 Nov 2023

SEO

- Digital Marketing . SEO.

## TECHNICAL SKILLS

**Languages:** Python, Java, C, C++, Dart, JavaScript, SQL, NoSQL, R, XML, Go

**Developer Tools:** VS Code, Android Studio, DataGrip, Goland, IntelliJ Idea Ultimate

**Technologies/Frameworks:** Linux, GitHub, ReactJS, Redux, NextJS, NodeJS, ExpressJS, Git, Mongo, Flutter

## EXTRACURRICULAR

### DEBSOC (Debating Society of SMVIT) ↗

2022 – 2026

Member

- Participates actively in debate competitions.
- Participation Certificate ↗

Bengaluru

## CERTIFICATIONS AND ACHIEVEMENTS

- Achieved Oracle Certification in Generative AI
- Machine Learning by IBM
- **24 hr Hackathon** conducted by **LNMIT Jaipur** — Ranked in Top 64/2023 Teams
- LeetCode 50 Days Challenge • TATA Brand Assessment (Round 1)
- Problem Solving at Codeforces • Problem Solving at CodeChef
- Full Stack Web Development Course by Udemy
- Secured 1st Rank (Round-1)-EY Hackathon for designing an Agentic AI-based Autonomous Predictive Maintenance & Service Scheduling system for automotive OEMs.