

# KUMAR MANGLAM

Bengaluru, Karnataka

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✉ kmanglam2003@gmail.com

🌐 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** 🔗

GenAI Powered Data Analytics Job Simulation

16 Aug 2025

- Job Simulation by Forage **TATA**.

**PackinClub** 🔗

SEO

11 Nov 2023

- 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)** 🔗

Member

2022 – 2026

Bengaluru

- Participates actively in debate competitions.

- Participation Certificate 🔗

## 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.