

MOHAMMED FAIZAN K

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Education

M S Ramaiah Institute of Technology

2022 – 2026

Bachelor of Engineering in Information Science and Engineering (CGPA: 8.02)

Bengaluru, Karnataka

- Relevant Coursework: DSA, OOPS, Operating Systems, DBMS, Discrete Mathematical Structures, Microcontrollers, Advanced Java

Bapuji Polytechnic Shabanuru

2020 – 2023

Diploma in Computer Science and Engineering (CGPA: 9.6)

Experience

NFThing

Dec 2024 – present

Full-Stack Developer Intern

Bengaluru, Karnataka

- Contributed to the development of a React-based movie rating web application.
- Built an infinite carousel to display top-rated movies by genre using **React.js** and **Tailwind CSS**.
- Developed a dynamic Contributors page that fetches and displays contributor images from the backend database.
- Collaborated with the frontend team using **Git** for version control and coordinated tasks via pull requests.

Ada Lovelace Software Pvt. Ltd

Aug 2024 – Aug 2025

Software Engineer Intern

Bengaluru, Karnataka

- Developed a full-stack web app that fetches top 10 emails from Gmail using **Google OAuth** and **Gmail API**, enabling interactive and AI-assisted email management
- Implemented text-to-speech feature to read emails aloud, enhancing accessibility for visually impaired users.
- Integrated AI tools using **Groq API** for features like email summarization and professional reply generation via user-provided context.
- Added multilingual support with a “Switch to Kannada” feature to translate app content and email text for native speakers.
- Developed a secure Compose feature to generate AI-written emails and send them via Gmail with one click, integrated into a responsive, modern UI built with **React.js** and **Tailwind CSS**; deployed on **Render**.

Projects

DeFakeIt: Deepfake Detection Web App 📁 | *React.js, TailwindCSS, TensorFlow.js, MobileNetV2*

- Built a privacy-first web app to detect deepfakes and verify liveness using real-time face analysis.
- Trained a MobileNetV2-based model on a custom dataset of real/fake faces and external sources for robust prediction.
- Implemented two modes: webcam-based liveness detection and image upload for deepfake analysis.
- Displayed detection results with AI-generated analysis and confidence scores; Upheld privacy with no data retention.

Pi 5 Offline Translator 📁 | *Raspberry Pi 5, TinyLlama LLM, Flask, TailwindCSS, Javascript*

- Built an IoT-based offline translator on Raspberry Pi 5 supporting 10 languages and offline code generation.
- Deployed TinyLlama LLM on Raspberry Pi OS with a Flask backend to deliver low-latency structured responses.
- Integrated speech-to-text input and a “Read” button for hands-free interaction using text-to-speech.
- Designed a responsive web UI with Tailwind CSS to provide real-time feedback and user-friendly interaction.

Hostel Management Software 📁 | *MongoDB, Node.js, Express.js, Chart.js, HTML/CSS/JS*

- Built a web-based system for hostel admin to track student attendance, hostel allocation, and mess planning.
- Visualized 7-day attendance trends using Chart.js to reduce food wastage in the mess.
- Implemented a student management system with USN-based search, update, and deletion, and automated mess fee refunds using MongoDB

Technical Skills

Languages: Python, Java, HTML/CSS, JavaScript, SQL

Tools/Technologies: React.js, Node.js (MERN), Firebase, TailwindCSS, Postman, Git, Unix, VS Code, Linux, REST APIs, Github, DevOps, Jenkins, Docker, CI/CD, Eclipse, Google Cloud Platform

Databases: MySQL, MongoDB, Oracle — **Soft Skills:** Time Management, Writing, Public Speaking, Leadership,

Achievements / Certifications

- **Certifications:** 📁 Supervised Machine Learning: Regression and Classification | 📁 TailwindCSS from A to Z
📁 Open-source LLMs: Secure AI with RAG
- **CET:** Ranked **99th** in the state-level entrance exam.
- Solved **150+** problems across coding platforms: LeetCode, GeeksforGeeks, Coding Ninjas