

MOHAMMED MAZIN

Computer Science Graduate | Full-Stack Developer | AI & Blockchain Enthusiast

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SUMMARY

B.Tech Computer Science graduate (2025) with a strong foundation in full-stack development, AI, and blockchain (Solana). Proficient in building intelligent, scalable, and real-time web applications. Skilled in Python, Java, JavaScript, React.js, FastAPI, Flask, Spring Boot, Docker, and SQL. Experienced with NLP, computer vision, generative AI, and decentralized systems.

Keywords: Python, React.js, FastAPI, Docker, NLP, AI, GCN, SQL, JavaScript, Java, Node.js, Blockchain, Full Stack, Django, Git, MongoDB

CERTIFICATIONS

- IBM AI Developer – [Coursera, May 2025](#)
- Java (Basic) – [HackerRank, Jan 2025](#)

PROJECTS

Signify (AI Sign Language Web App)

March 2025

- Built a real-time ASL detector using CTR-GCN, FastAPI, and React.js, adding NLP correction, auto-speech via gTTS, and a real-time feedback UI. Documented workflows and created **demo-ready UIs for clear communication**. Achieved **90%+ accuracy** across 28 ASL signs.

Tech: Python, MediaPipe, CTR-GCN, FastAPI, React.js, gTTS

College Grievance Redressal Portal

April 2024

- Led a 3-member team** to develop a secure MERN portal for anonymous student complaints, implementing role-based access using JWT and encryption. Demonstrated **leadership & teamwork** while ensuring reliability.

Tech: MongoDB, Express.js, React.js, Node.js, JWT

Emotion Detection Web App

May 2025

- Designed a Flask web app using IBM Watson NLP to detect user emotions in text, deployed on Heroku with analytics tracking. Delivered **demo-ready UI** and quickly adapted to new NLP tools, highlighting **adaptability**.

Tech: Python, Flask, IBM Watson, Heroku

Ship Proxy System

May 2025

- Built a containerized proxy system tunneling HTTP/S over persistent TCP for simulated ship systems, ensuring secure offshore communication. Applied **problem-solving** skills to design an efficient real-time system and adapted quickly to networking & Docker concepts.

Tech: Python, Sockets, HTTP Proxy, Docker, TCP

EDUCATION

B.Tech – Computer Science and Engineering – (2021-2025)

College of Engineering Munnar, Kerala

GPA: 7.5 / 10

TECHNICAL SKILLS

Languages: Python, JavaScript, Java

Frontend: React.js, HTML, CSS

Backend: FastAPI, Flask, Node.js, Express.js, REST APIs

Databases: MongoDB, SQL

AI & Tools: MediaPipe, PyTorch, TensorFlow, Scikit-learn, CTR-GCN, IBM Watson, gTTS, Generative AI

Cloud: AWS (basic deployment), GCP (familiarity)

DevOps: Docker, Git, GitHub, Heroku

Methodologies: Agile (Scrum), CI/CD

Networking: HTTP/S Proxy, TCP, Multithreading