

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, Jan 2025

- Java (Basic) – HackerRank

PROJECTS

-Signify (AI Sign Language Web App)

March 2025

Built a real-time ASL detector using CTR-GCN, FastAPI, and React.js. Added NLP correction, auto-speech via gTTS, and real-time feedback UI. Achieved 90%+ accuracy across 28 ASL signs.

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

-College Grievance Redressal Portal

April 2024

Developed a secure MERN portal for anonymous student complaints. Implemented role-based access using JWT and encryption.

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.

Tech: Python, Flask, IBM Watson, Heroku

-Ship Proxy System

May 2025

Built a containerized proxy system tunneling HTTP/S over persistent TCP. Used by simulated ship systems for secure offshore communication.

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, CTR-GCN, IBM Watson, gTTS, Generative AI

DevOps: Docker, Git, GitHub, Heroku

Methodologies: Agile (Scrum), CI/CD

Networking: HTTP/S Proxy, TCP, Multithreading

SOFT SKILLS

Leadership & Teamwork: Led multi-person full-stack projects

Communication: Clear documentation, demo-ready UIs

Problem Solving: Designed efficient real-time systems

Adaptability: Quick learner of advanced tools & frameworks