

SHAHNAWAZ ALAM

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SUMMARY

Full-stack developer with a strong passion for AI/ML and the ability to build and evaluate technical systems. Experienced in full-stack development using MERN and Django, with deployments on platforms like AWS, Vercel, and GitHub Pages. Recognized as the 3rd Runner-Up at HackRev 2025 Hackathon, demonstrating strong problem-solving and collaboration skills.

PROJECTS

Dr.AI – Real-Time Doctor-Patient Training App

- Led the end-to-end development of an AI-driven medical training tool built in under 36 hours for a hackathon. Designed system architecture, integrated frontend (React) with backend (Flask), and incorporated external APIs like ElevenLabs TTS and speech recognition for real-time doctor-patient simulations.
- Developed and integrated an evaluation system to analyze post-conversation transcripts, assessing the AI patient's communication and the doctor's diagnostic approach, directly addressing the need for quality control in training simulations
- Guided the team through full-stack integration and ensured project delivery under tight deadlines

Sentimental

- Developed the software integration for a 3D-printed robotic arm controlled by a multimodal AI model (LLaVA).
- Contributed to building functions and defining parameters that enabled the AI to interpret user input and autonomously complete tasks.

MedInsight

- Developed a comprehensive medical data management system including a mobile app, web app, and Node.js backend API with MongoDB and AWS S3 storage.
- The system incorporates an AI-powered chatbot that synthesizes key patient information and a document analysis feature using OCR to validate and explore unstructured data.
- This project demonstrates an end-to-end approach to building an AI-driven system, with a focus on data integrity and quality control.

EXPERIENCE

AWS Cloud Club, MJCET — Development Team(Oct 2024 - Present)

- Developed and maintained the AWS Cloud Club and events websites, optimizing performance with AWS services (EC2, S3, Route 53).
- Managed AWS cloud infrastructure, including domain registration, hosting, and CDN integration, improving site uptime and speed.

Technology Special Interest Group(TSIG), MJCET — Data Science Lead (Aug 2025 - Present)

- Mentored club members in data science and AI project development, guiding them from foundational concepts to building and deploying projects.
- Spearheaded the development of collaborative, hands-on projects, fostering a strong learning environment and helping beginners apply theoretical knowledge to real-world applications.

SYNECTIKS - Intern (Jan 2022 - July 2022)

- Gained hands-on experience in Go (Golang) and relevant frameworks.
- Learned key concepts of RESTful APIs, including creation and integration.
- Contributed to API development and assisted with procurement-related tasks within the team.

EDUCATION

Muffakhham Jah College of Engineering and Technology (MJCET) — Osmania

Graduation:2026

University Bachelor of Engineering (B.E.)

Specialization in Computer Science Engineering

CGPA:[To be updated]

Quli Qutub Shah Govt Polytechnic

Graduation:2023

Diploma in computer Science Engineering

CGPA:8.36

SKILLS

- Development: Python, Java (OOPS), JavaScript, MERN, Django, Flask.
- Database: MySQL, SQLite, MongoDB
- Deployment: AWS, Git, GitHub, Linux, Bash Script, CI/CD, Docker.