

Shaik Kareem

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Summary

Computer Science student and aspiring software engineer specializing in AI and full-stack development. I have hands-on experience building applications from concept to deployment and am eager to apply my skills to challenging projects that push technological boundaries.

Technical Skills

- **Languages:** Java, Python, C, JavaScript (ES6+), HTML5, CSS3
- **Frontend:** React.js, Next.js, Tailwind CSS, Framer Motion, React Query, React Router
- **Backend:** Node.js, Express.js, FastAPI, JWT Authentication, REST APIs
- **Databases & ORMs:** MySQL, MongoDB, Prisma ORM, Mongoose
- **AI/ML:** Prompt Engineering, LLM Integration, RAG, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- **Developer Tools:** Git, GitHub Actions, Docker, Maven, VS Code, Anaconda, Postman
- **Core Concepts:** Data Structures Algorithms (DSA), Object-Oriented Programming (OOP), Real-time Systems

Projects

Aizy – Full Stack Platform with AI Analytics *Next.js, Express.js, Python, FastAPI, MongoDB, MySQL*

- Engineered an AI-driven full-stack e-commerce platform using a modern *Next.js* and *Express.js* architecture.
- Architected a hybrid database system, leveraging *MongoDB* for product data and *MySQL* with *Prisma ORM* for robust user management.
- Integrated Python machine learning models via a *FastAPI* backend to deliver intelligent fashion recommendations.
- Crafted a highly responsive UI with *Tailwind CSS* and *Framer Motion*, using *Zustand* for efficient state management.
- Implemented secure user authentication with *JWT* and managed file uploads with *Multer*.

Collaborative Text Editor

Java, Swing, Sockets, NIO, Maven

- Developed a real-time collaborative text editor from scratch, featuring a robust client-server architecture using *Java Sockets* and *NIO* for high-performance networking.
- Engineered a custom TCP-based protocol to broadcast real-time updates, enabling live text synchronization and typing indicators.
- Designed and implemented an intuitive graphical user interface using *Java Swing*, focusing on user experience.

Hand Gestures Controller

Python, OpenCV, Mediapipe, PyAutoGUI

- Created a hands-free computer control system by leveraging *OpenCV* for video capture and *Mediapipe* for high-fidelity hand and finger tracking.
- Translated specific hand gestures into system commands, enabling real-time control of keyboard and mouse functions through *PyAutoGUI*.

Education

Mahatma Gandhi Institute of Technology, Hyderabad
Bachelor of Technology in Computer Science and Engineering

CGPA: 8.57 (Sep 2023 – Present)

KMR Junior College, Hyderabad

Percentage: 95.2% (Jul 2021 – Mar 2023)

Achievements

- **Finalist, Telangana CodeUnnati Hackathon :** Recognized for developing an innovative solution among numerous state-wide competitors.
- **3rd Place, Project Expo at MGIT:** Awarded for the design and implementation of the Hand gestures.
- **Shortlisted, Smart India Hackathon (SIH) Internal Round:** Advanced through a competitive internal selection process.

Certificates

- **Introduction to Data Science** (Springboard) — **Python (Basic)** (HackerRank) — **Java (Basic)** (HackerRank) — **JavaScript (Basic)** (HackerRank)