

VIJAY SAI KARTHIK MOTIKI

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SUMMARY

Enthusiastic and quick-learning Software Developer with a strong grasp of programming fundamentals and hands on experience in full-stack web development. Proficient in JavaScript, Python, and Java, with exposure to frameworks like React and Node.js. Eager to apply coding skills, learn new technologies, and contribute to real-world projects in a collaborative team environment. Currently working on developing a project to recognize and interpret sign language using CNN's and RNN's.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

2022 - Present

Keshav Memorial Institute of Technology, Hyderabad. CGPA : 8.1

NOTABLE POSITIONS

CodeNovate Organizer

2024

Was a part CodeNovate 24-Hour Hackathon held at KMIT.

CORE SKILLS

Programming Languages: Python, Java, JavaScript, C/C++, Rust

Backend Development: Django REST, Fast API, Flask, Express.js

Frontend and UI: React.js, Material-UI, Tailwind CSS

Database Management: MySQL, MongoDB , PostgreSQL

Cloud and DevOps: AWS (EC2, S3), Docker, Kubernetes, GitHub Actions

Frameworks and Libraries: PyTorch, Scikit-learn, TensorFlow , Node , Next.js

ML/DL: CNN, RNN, ANN, MLP, NLP, LSTM, GRU, Transformers/LLM's

Development Tools: Git, PyCharm, VS Code, Eclipse, IntelliJ

PROJECTS

Transport Services LLM

May 2024 – Sept 2024

Concept: AI chatbot for Telangana Transport Dept. to handle queries about the Transport Dept.

Innovation: Handled 50+ queries (licenses, permits, taxes) with 90% accuracy using Hugging Face LLMs and FastAPI. Scaled to 1K+ users via React frontend.

Technologies: Python, LangChain, Transformers, PyTorch, FAISS, FastAPI, React

GitHub: [Transport-LLM-Project](#)

Research-Agent

2025

Concept: AI tool for automated topic research.

Innovation: Gathers and summarizes content into structured reports using web search and LLM APIs.

Technologies: Python, DuckDuckGoSearch, Wikipedia API, OpenAI API

GitHub: [Research-Agent](#)

Music Controller App

Jan 2025

Concept: Real-time collaborative music streaming on Spotify.

Innovation: Syncs play/pause/skip actions using Spotify API and Django Channels with React UI.

Technologies: Django REST, React, Material-UI

GitHub: [music-ctrl](#)

Student Manager CRUD App

March 2025

Concept: CLI app for student record management.

Innovation: Spring Boot + PostgreSQL CLI system supporting all CRUD operations.

Technologies: Spring Boot, PostgreSQL

GitHub: [CRUD_APP](#)