

# 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

<b>Bachelor of Technology in Computer Science and Engineering</b> Keshav Memorial Institute of Technology, Hyderabad. CGPA : 8.1	2022 - Present
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## NOTABLE POSITIONS

<b>CodeNovate Organizer</b> Was a part CodeNovate 24-Hour Hackathon held at KMIT.	2024
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## 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

<b>Transport Services LLM</b> <b>Concept:</b> AI chatbot for Telangana Transport Dept. to handle queries about the Transport Dept. <b>Innovation:</b> Handled 50+ queries (licenses, permits, taxes) with 90% accuracy using Hugging Face LLMs and FastAPI. Scaled to 1K+ users via React frontend. <b>Technologies:</b> Python, LangChain, Transformers, PyTorch, FAISS, FastAPI, React <b>GitHub:</b> <a href="#">Transport-LLM-Project</a>	<i>May 2024 – Sept 2024</i>
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<b>Research-Agent</b> <b>Concept:</b> AI tool for automated topic research. <b>Innovation:</b> Gathers and summarizes content into structured reports using web search and LLM APIs. <b>Technologies:</b> Python, DuckDuckGoSearch, Wikipedia API, OpenAI API <b>GitHub:</b> <a href="#">Research-Agent</a>	<i>2025</i>
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<b>Music Controller App</b> <b>Concept:</b> Real-time collaborative music streaming on Spotify. <b>Innovation:</b> Syncs play/pause/skip actions using Spotify API and Django Channels with React UI. <b>Technologies:</b> Django REST, React, Material-UI <b>GitHub:</b> <a href="#">music-ctrl</a>	<i>Jan 2025</i>
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<b>Student Manager CRUD App</b> <b>Concept:</b> CLI app for student record management. <b>Innovation:</b> Spring Boot + PostgreSQL CLI system supporting all CRUD operations. <b>Technologies:</b> Spring Boot, PostgreSQL <b>GitHub:</b> <a href="#">CRUD_APP</a>	<i>March 2025</i>
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