Koushik Reddy Tiparthi

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📍 Hyderabad, India

Profile

Strong in design and integration with intuitive problem-solving skills. Passionate about implementing and launching new projects. Ability to translate business requirements into technical solutions. Looking to start the career as an entry-level software engineer with a reputed firm driven by technology. A results-driven Artificial Intelligence and Machine Learning graduate aiming to contribute to innovative, data-driven solutions in a dynamic environment.

Education

2020/10 – 2024/05 Ibrahimpatnam, Ranga Reddy	**Bachelor of Technology (Artificial Intelligence and Machine Learning)** *Guru Nanak Institutions Technical Campus* CGPA-8.23
2018/06 – 2020/03 Champapet, Hyderabad	**Intermediate (MPC)** *Sri Aakash Junior College* Marks-985/1000

Skills

Web Development
HTML5, CSS3, Javascript

Programming Languages
Python, Java, C

Machine Learning
Numpy, Matplotib, Scipy, Pandas, Scikit-Learn

Data Analytics
Excel, Power BI, SQL

Development Tools
Git Version Control, VS Code, Jupyter Notebook

Languages

- English
- Telugu
- Hindi

Projects

Detection of Liver Cancer Using Image Processing Techniques
In this project Magnetic Resonance Imaging (MRI) images are used to identify liver tumors in this case. The image goes through image preprocessing, image segmentation, and feature extraction, all of which are done within the layers of an Artificial Neural Network, making it an automated operation.

Multi-Sensor Based Action Monitoring and Recognition Using Hybrid Descriptors
This project is a a solution to detect human activities via hybrid descriptors based on robust features and accurate results. The main purpose of the project is to recognize fall detection, geometric characteristics, human activity recognition, inertial sensors.

AI-agents for Medical Diagnosis
A Python project designed to create specialized LLM-based AI agents that analyze complex medical cases. The system integrates insights from various medical professionals to provide comprehensive assessments and personalized treatment recommendations, demonstrating the potential of AI in multidisciplinary medicine.

Internship

Generative AI Intern
- Collaborated on the development and fine-tuning of **large language models (LLMs)** for real-world applications.
- Built and optimized **generative AI systems** for conversational AI and content creation.
- Applied **NLP techniques** and **deep learning frameworks** (e.g., TensorFlow, PyTorch, Hugging Face) to enhance model performance.

Declaration

I hereby declare that all the information given above is true and correct to the best of my knowledge. All the information shared in the resume is correct, and I take full responsibility for its correctness. I solemnly declare that the information in this resume is true to the best of my knowledge and belief.

T Koushik Reddy
Hyderabad