JITHENDAR NEERAJ SANKA

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Education

B.Tech in Electronics & Communication Engg
Marri Laxman Reddy Institute of Technology   2019 − 2023
CGPA: 8.26

Skills

Languages: Java, Python, JavaScript, C
Frameworks: Flask, Django,LangChain, Chainlit, Spring Boot, FastAPI
Libraries: Hugging Face, Tensorflow, Vector DB, React JS, Numpy, Pandas, Scikit-Learn, TensorFlow, NLTK, Matplotlib, SpaCy
Technologies: Machine Learning, Deep Learning, Natural Language Processing, GenAI, LLM Models, Tranformers,RAG
Cloud: Azure AI services,AWS Sagemaker
Databases: MySQL, MongoDB

Work Experience

Associate Software Engineer, Tech Mahindra   Dec 2023 − Present
As an Associate Software Engineer, I have gained hands-on experience in full-stack development. My responsibilities include: - **Java Full Stack Training:** Completed a comprehensive training program focusing on both front-end and back-end technologies, which included hands-on projects that solidified my understanding of software development lifecycles. - **Generative AI Projects:** Currently involved in PoC's that leverage Generative AI (GenAI) technologies. This includes creating innovative software solutions that automate and enhance business processes. - **Proof of Concepts (PoCs):** Actively developing PoCs that address operational challenges. These PoC's not only improve efficiency but also serve as a demonstration of our capabilities to potential clients.

Projects

Used Car Price Prediction   Aug 2023 − Sep 2023
Developed a robust machine learning model using the Random Forest Regressor to predict the prices of used cars. The project involved: - **Data Collection and Preprocessing:** Gathered data from various online sources, cleaned and prepared it for modeling. - **Model Training and Evaluation:** Achieved an impressive accuracy of 87.7% through careful feature selection and hyperparameter tuning. - **Technologies Used:** Python, Jupyter Notebook, Scikit-Learn, ML Algorithms.

AI Student Lec   Dec 2022 − Apr 2023
Created an NLP tool designed to analyze and summarize lecture content, aimed at improving student understanding. Key aspects of the project included: - **Text Analysis and Summarization:** Utilized NLP techniques to extract key points from lecture transcripts, allowing students to quickly grasp essential information. - **User Interface Development:** Developed a user-friendly interface using Flask, enabling easy access for students. - **Technologies Used:** NLP, Python, Flask, HTML5, CSS3.

IPL Quiz   Sep 2024
Designed an interactive quiz application centered on IPL cricket questions. The project involved: - **Dynamic Question Generation:** Leveraged Language Models (LLMs) to automatically generate quiz questions based on user inputs. - **User Engagement:** Implemented features for user interaction, including real-time scoring and feedback. - **Technologies Used:** Transformers, LangChain, Streamlit.

Certificates

- IBM Certification in Machine Learning (2023)   - Google Certification in Generative AI (2023)
- Certified Microsoft Azure AI Engineer (2024)   - AI whiteBelt Certification(TechMhindra) (2024)