KATTA SAI PRANAV REDDY

CONTACT

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EDUCATION

B-Tech - AI&ML
Anurag University, Hyderabad

CGPA - 8.29
2021-2025

Intermediate - MPC
Sri Chaitanya Junior College, Hyderabad

Percentage - 98
2019-2021

WORK EXPERIENCE

MACHINE LEARNING INTERN

iNeuron Intelligence Pvt. Ltd.
oct / 2024 - nov / 2024

- Performed customer segmentation using machine learning techniques like K-Means Clustering to analyze income, spending behavior, and family demographics.
- Developed a predictive classification model with tools such as Python, Pandas, and Scikit-learn, assigning new customers to clusters for targeted marketing strategies.

DATA SCIENCE INTERN

Unified Mentor Pvt. Ltd.
01 -09 -2024 to 01-10-2024

- Trained on Python and Machine Learning.
- Developed Machine Learning models using Python to predict Employee Attrition for Green Destinations.
- Delivered insights to Stakeholders by visualizing model outputs and presenting actionable recommendations for reducing Attrition risk.

SKILLS

SQL | Python | HTML | CSS | Pandas | Numpy | Matplotlib | Seaborn | Scikit-Learn | Tensorflow | Keras | NLP | OpenCV | Machine Learning | C | CNN | RNN | Statistics | Hugging Face | Langchain | FastAPI | Docker

PROJECTS

1. Goldman Sachs RAG-Based Compliance Assistant

- Designed and built a RAG-based AI system, integrating hybrid search with FAISS (vector search), BM25 (keyword search), and LLAMA-3-70B to enhance policy and compliance document retrieval at Goldman Sachs.
- Implemented reranking using a Cross-Encoder model to improve retrieval accuracy, ensuring context-aware and source-backed responses for regulatory queries.
- Deployed a scalable and secure system using FastAPI, Streamlit, and Docker, enabling real-time query processing and AI-driven compliance insights.

2. Kitchen Eye: AI-Based Food Contamination Detection System

- Designed and implemented an AI-powered system using Convolutional Neural Networks (CNNs) to identify food contamination based on visual data.
- Developed a labeled dataset of contaminated and fresh food items, applied data preprocessing techniques, and trained a CNN model to detect spoilage indicators such as mold and discoloration.
- Engineered a deployable solution with real-time alerts for household use, integrating FastAPI, Streamlit, and Docker for seamless interaction, API-based predictions, and efficient deployment.

CERTIFICATIONS

- Certificate of Internship in Data Science - Unified Mentor
- Python for Data Science and Machine Learning
- Power BI
- Udemy - SQL
- Data Visualization with Python — Cognitive Class