

Pidugu Venkata Krishna chaitanya

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🔗 Portfolio

PROFESSIONAL EXPERIENCE

SPURTREE, SOFTWARE DEVELOPER INTERN

Over the past six months, I have been involved in full-stack development, primarily working on backend code using Django to build an admin dashboard that manages financial data updates. Additionally, I have contributed significantly to data reporting using Power BI, where I focused on creating clear visualizations and analyzing key financial metrics. On the frontend, I worked with React.js, and on the cloud side, I utilized AWS Lambda and Glue jobs, playing a key role in both data management and reporting tasks.

August 2024 – present
BANGLORE

EDUCATION

Mtech in artificial intelligence and machine learning, Vit vellore

8.1 cgpa

August 2023 – present
Vellore, India

BTech in computer science, Mallareddy institute of technology

6.7 cgpa

June 2020 – July 2023
Hyderabad, India

Diploma in EEE, Vnr vignan jyothi

7.8 cgpa

July 2017 – April 2020
Hyderabad, India

PROJECTS

Real-time Node-Based Data Processing Engine

Developed a modular, real-time data pipeline optimized for AI-driven analysis using a node-based architecture. Each node encapsulates tasks such as data smoothing (moving averages), LLM-based prediction, and intelligent signal generation. Engineered efficient DataFrame handling and dynamic data flow between nodes, enabling scalable and reusable AI workflows. Designed for use in AI-powered systems like algorithmic trading, predictive analytics, and IoT intelligence

Prediction of stock market, Set conference vit

This project utilizes transformer-based models to predict stock market movements by incorporating historical data and financial news articles. It involves data preprocessing, model training, and evaluation to create an accurate prediction system. Through combining numerical and textual information, the model aims to capture complex patterns and sentiments influencing stock market dynamics. The project culminates in deploying the trained model for real-world stock market forecasting.

Interactive Personalized Learning Platform

Designing an AI-driven learning system that personalizes content and interactions using LLMs and real-time user feedback. Integrated LangChain and OpenAI APIs for adaptive tutoring and dynamic content generation.

Sourcing Detection System

The Sourcing Detection System utilizes OpenCV, Python, Django, HTML, CSS, and JavaScript to detect driver fatigue via real-time video analysis. Upon detection, it triggers in-vehicle alerts and notifies fleet managers, enhancing safety, compliance, and accident investigation capabilities for logistics and insurance companies.

LANGUAGES

English	● ● ● ● ●
Hindi	● ● ● ● ●
Telugu	● ● ● ● ●

SKILLS

Django,python,machine learning	● ● ● ● ●
Deep learning, DBMS,SQL,Power BI,react js	● ● ● ● ●
Javascript,c++, opencv,MS EXEL,nlp (langchain),	● ● ● ● ●

INTREST

Artificial intelligence,robotics,

CERTIFICATES

• Azure AI-900