Puram Abhishek Rao

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EDUCATION

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY Hyderabad,India
Bachelor of Technology Expected May 2025
Major in Artificial Intelligence and Data Science
Cumulative GPA: 7.3/10;

UNIVERSITY PROJECTS

TWITTER TRADING STRATEGY

- Took a dataset that contained 27000 rows of stocks each having the number of Likes and comments along with its date and symbol.
- Utilized financial data analysis techniques to construct optimal portfolios across more than 20 different styles.
- Examined returns in comparison to indices, stocks, ETFs, commodities, and currencies. Visualized findings, exposing a 40% higher return than NASDAQ, 20% surpassing NIFTY 50, and a 10% edge over gold on an annual basis..
- Employed PowerBI to analyze monthly comments and likes data from a dataset comprising 15 million posts and 3 billion comments. Uncovered trends and insights on engagement levels throughout the year, facilitating strategic decision-making for marketing campaigns and content creation.

RAISE YOUR VOICE WEBSITE

- Intuitive Interface: User-friendly design for easy navigation and 30 preset options.
- Government Reporting: Direct submission of concerns using Google Maps API.
- Verification System: Robust authentication process for report credibility.
- Upvote for Priority: Upvote system for issue prioritization that was requested by more than 200 people.
- Data Analytics: Utilized analytics for government insights and resource allocation.

EMOTION DETECTION USING CNN

- CNN classifies facial expressions into six basic emotions: happiness, sadness, anger, surprise, fear, and disgust.
- The CNN was trained using data sourced from the Kaggle Facial Expression Recognition Dataset that had 36,000 images.
- Utilizing Haar-like features and an integral image representation, the classifier is built using the AdaBoost algorithm to selectively focus on essential facial patterns. The accuracy was approximately 65%.

FACE RECOGNITION ATTENDANCE SYSTEM

- Developed a real-time facial recognition attendance system using Python, OpenCV, and the face_recognition library.
- Created a database of known faces with corresponding encodings, enabling accurate identification of individuals during live video streaming from a webcam.
- Implemented a user-friendly interface displaying recognized faces in the webcam feed and automatically marking attendance in a CSV file with timestamp entries.

CERTIFICATES

NPTEL- Cloud Computing -Elite
Infosys Springboard Linux for Beginners
HiCounsellor Data Science Project on a Study on NASA Astronauts
Estimating Healthcare Insurance Expenses through Machine Learning

ACHIEVEMENTS

Skills: Python, SQL, Java, C, C++, OpenCv, Data Visualization, Data Structures & Algorithms, JavaScript

- Won first place in VNR Valorant Tournament with over 2000 hours of experience in the game
- Solved over 500+ programming questions on various coding platforms (Leetcode, Codechef, Hackerrank,etc).