

Palepu Nitin

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EDUCATION

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Hyderabad

Bachelor of Engineering

Expected 05/2025

Cumulative GPA: 7.4/10.0

Relevant Coursework: Data Analysis; Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

PROJECTS

CLUB WEBSITE

08/2023

- Engineered a club website using Next.js and Tailwind CSS.
- Implemented a PostgreSQL db (Supabase) to manage 1,000 user data, and 10,000 blogs.

MOVIE RECOMMENDATION SYSTEM BY FACE EMOTION RECOGNITION

08/2023

- Spearheaded the development and successful implementation of an advanced Movie Recommendation System.
- Achieved a remarkable 90% accuracy in identifying and categorizing diverse emotional states
- Drove a substantial 25% increase in user satisfaction following the successful implementation of the recommendation system.

TWITTER TRADING STRATEGY

10/2023

- Took a dataset that contained 27000 rows of stocks each having the number of Likes and comments along with its date and symbol.
- Processed the data to create optimum portfolios with over 20 different styles.
- Analyzed returns against indices, stocks, ETFs, commodities, and currencies. Visualized results, revealing a 40% higher return than NASDAQ, 20% more than NIFTY 50, and 10% over gold annually.
- Analyzed monthly comments and likes data using PowerBI to visualize data that contained 15M posts and 3B comments, identifying trends and uncovering insights on engagement levels throughout the year, enabling strategic decision-making for marketing campaigns and content creation.

SPAM MESSAGE CLASSIFICATION

12/2023

- Formulated a Spam Classification system using a Naive Bayes classifier, leveraging a 10,000 messages dataset for training and evaluation.
- Achieved a commendable accuracy of 89 percent on the test set, showcasing the effectiveness of the model.
- Employed natural language processing techniques to preprocess and vectorize text data effectively.

REDDIT CLONE

12/2023

- Constructed a Reddit replica using NextJS for the front-end and Firebase for the back-end.
- Implemented essential functionalities such as user authentication, community creation, and post management like create, edit, and delete posts.
- The system has the capacity to store up to 10,000 posts.

ACTIVITIES

PYTHON APPLICATION DEVELOPMENT BOOTCAMP

Hyderabad

Volunteer for the Event

10/2023

- Contributed to a coding initiative, assisting 250+ students over 4 days. Facilitated learning sessions, provided guidance on coding concepts, and fostered a collaborative learning environment.

GAME-A-PALOOZA EVENT

Hyderabad

Volunteer for the Event

12/2023

- Volunteered for the "Game-a-palooza" event to engage with 100 juniors.

ADDITIONAL

Technical Skills: MERN Stack, Nextjs, Flask, Postgresql, Redis, AWS, Docker

Languages: C/C++, Java, JavaScript, TypeScript, Go

Certifications & Training: Cloud Computing (Certificate by NPTEL Elite + Silver Certificate with 84%), Supervised Machine Learning (Certificate from Coursera issued for completion of the course by AndrewNg), HackerRank Intermediate (Certificate DSA)