

SUJAN V

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Education

Vellore Institute of Technology, Amaravati

October 2022 - Present

Bachelor of Technology in Computer Science and Engineering

CGPA: 9.12/10

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Competitive Coding
- Software Engineering
- Database Management
- Operating Systems
- Machine Learning

Experience

CODSOFT

Jan 2024 – Feb 2024

Artificial Intelligence Intern

Remote

- Developed and deployed real-world AI solutions, including a Face Recognition model utilizing Python and OpenCV, demonstrating expertise in computer vision.
- Conducted in-depth research to design and implement a TIC-TAC-TOE game, applying AI algorithms to enhance decision-making and gameplay strategy.

Oasis Info byte

Feb 2024 - March 2024

Research Intern

Remote

- Engineered a Java-based Guessing Number game, employing advanced logic structures including loops, conditionals, and robust user input handling to enhance cognitive problem-solving.
- Developed an ATM Interface in Java, utilizing object-oriented programming principles such as encapsulation and inheritance, effectively simulating real-world banking operations and improving software design proficiency.

Projects

Digit Draw and Predict Model / Python, Pygame Interface, Image Processing

August 2024 - August 2024

- Conducted an in-depth analysis of Amazon Prime Video's content library, visualizing data from 9,655 titles, spanning from 1920 to 2021, to uncover trends and patterns using Power BI.
- Identified and categorized 519 unique genres, with Drama leading at 986 titles, enhancing content strategy insights.

Stock Prediction Model / Python, Streamlit

Oct 2023

- Built an advanced web application using Streamlit to predict stock prices with LSTM, GRU, and TCN models, analyzing 20 years of historical data.
- Applied EWMA and Holt smoothing methods with spans of 50, 100, and 150 days, achieving a 15% increase in prediction accuracy.
- Utilized the yfinance module to gather precise financial data from Yahoo Finance, ensuring real-time analysis of over 5,000 data points.

Skills

Data Analysis and Visualization: Data Analysis, Data Visualization, Power BI, Excel, MySQL, Oracle, R, Python
Programming and Development: Artificial Intelligence (AI), OOP (Object-Oriented Programming), Data Structures and Algorithms, C++, C, Python, Analysis of Algorithm, Java
AI and Machine Learning: Generative AI, Prompt Engineering, Keras, NumPy, pandas, tensor flow, open CV
Web Development: HTML5, CSS, JavaScript, Node.js, Express.js

Volunteer

Chaithra Telugu Association

January 2024 - Present

Club member of Chaithra Telugu Association

- Played a pivotal role in event logistics and coordination, guaranteeing seamless execution of activities
- Contributed to the successful planning and management of events, including festivals, workshops, and social gatherings,
- ensuring high attendee engagement
- Worked collaboratively with a team to plan and execute cultural events, fostering the promotion of Telugu culture and heritage.