SIVA SAI PRASAD TIRUMANAGIRI

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EDUCATION

B.Tech in Artificial Intelligence and Data Science
May, 2025

Vishnu institute of technology
Bhimavaram, Andhra Pradesh

- **GPA:** 9.11/10 (Top 5% in the department)
- Fully funded scholarship by the Andhra Pradesh state government.

Intermediate
April, 2020

Sri chaitanya junior college
Gudivada, Andhra Pradesh

- **GPA:** 9.82/10

PROJECTS

AI powered Legal Awareness System

- Developed a Deep Learning-based Legal Assistant that predicts relevant IPC sections from user queries, aiming to assist legal professionals in quickly identifying applicable laws.
- Achieved a projected 20% reduction in case processing time by automating legal text analysis and streamlining section lookup and an accuracy of 89% on the training data of 6000 user queries.
- Tech Stack: Python, SQL, NLP, Tensorflow, HTML/CSS, JS, Flask.

Realtime Stock price forecasting

- Utilized web scraping tools to collect historical and real-time stock market data, news articles, and financial reports from various websites.
- Model is 80% accurate in predicting the Stock price.
- Tech stack: Python, scikit-learn, beautifulsoup, pandas.

Brain tumor detection from x-ray samples.

- Developed a deep learning model to detect the presence of brain tumors from X-ray images, improving early diagnosis accuracy. Applied CNN architectures for image classification and achieved high precision in tumor identification.
- Model is 90% accurate on the data samples of 10,000.
- Tech stack: Python, Tensorflow, numpy, matplotlib, opencv.

TECHNICAL SKILLS

- **Programming Languages:** Python, C, Java, SQL
- **Machine Learning & Deep Learning:** Scikit-learn, TensorFlow, Keras, PyTorch, XGBoost
- **Version Control & Tools:** Git, GitHub, MLflow, Jupyter Notebook
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud & Deployment:** AWS, Docker
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Power BI
- **Web Technologies:** Flask, HTML, CSS

SOFT SKILLS

- **Languages:** English, Telugu, Hindi
- **Soft-skills:** Collaboration, Analytical Thinking, Communication, Continuous learning.