TUMMALAPALLI SAI HEMANTH

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PROFILE

Emerging Python Developer with proficiency in HTML/CSS. Machine Learning and NLP, Passionate about Data Visualization (Power BI, Tableau), seeking opportunities to apply skills gained through projects and internships.

EDUCATION

Bachelor of Technology in Artificial Intelligence & Data Science 2022 - 2025
Vishnu Institute of Technology - CGPA: 8.71

Diploma in Computer Science 2019 - 2022
Smt.B.Seetha Polytechnic - GPA: 9.2

SKILLS

Programming Languages	Python, DSA
Front End Technologies	HTML, CSS
DataBase	MySQL
Libraries and Frameworks	Numpy, Pandas, NLTK
Data Visualization Tools	Power BI, Tableau and Bricks
Soft Skills	Team Player, Time Management, Self Motivated

PROJECTS

Ai Powered Legal Awareness System Dec 2024 - Feb 2025

- Developed a legal query system that automatically retrieves relevant IPC sections along with fines, punishments, bailability, illustrations, and descriptions based on user input.
- Built using HTML, CSS, Flask for the frontend and backend, leveraging word tokenization, sentence transformers, NLTK for NLP, MySQL for data storage, and Excel preprocessing Listly for data extraction.
- Achieved 2nd place in Researchers Day 2025 at Vishnu Institute of Technology for an innovative presentation and execution of the project.

Image Steganography Apr 2024 - May 2024

- Developed a steganographic application that facilitates secure communication between two entities.
- This application embeds messages within different types of media, including images, videos, and audio, ensuring covert and secure transmission of information.
- The application was developed using the Python Programming Language

Data Analytical Interactive Dashboards Jun 2024

- Developed an interactive Power BI dashboard that visualized Olympic Games data, driving insights into medal counts and athlete performance; the dashboard enabled users to analyze trends across 3 decades of Olympic events.
- Developed a Tableau dashboard analyzing sorghum production, distribution, and yield across India, utilizing insights from 50+ regional datasets to improve decision-making for agribusiness stakeholders across 10 states.

INTERNSHIPS

Machine Learning Intern May 2023 - Jul 2023
EDUSKILLS - AICTE

- Achieved 95% accuracy in Iris flower classification and 90% accuracy in house price prediction using data analysis and predictive modeling techniques.
- Proficiently utilized Python libraries such as NumPy, Pandas, Seaborn, and Matplotlib for effective data analysis, visualization, and machine learning on real-world datasets.

Intellectual Learning and Engineering Applications Workshop Feb 2023
Vishnu Educational Department and Innovation Center

- Refined professional skills, strengthened communication abilities, and enhanced overall career development.

CERTIFICATIONS

- Accenture North America Data Analytics and Visualization Job Simulation on Forage - July 2024
- Basics of Python, HackerRank