Jagati Naga Pravallika

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Career Objective

Highly Motivated Graduate student, Passionate about Data Science enthusiast with a strong foundation in Python and fundamental knowledge of AI, ML, and SQL. Seeking opportunities to apply analytical and programming skills to solve real-world problems and gain hands-on experience in data-driven decision-making.

Skills

- Programming: Html, Css, Javascript, Python, C Language, SQL, React (Learning), Next.js (Learning), Node.js (Learning)
- Libraries/Tools: Power Bi, NumPy, Pandas, Scikit-learn, TensorFlow
- Platforms: Jupyter, Google Colab, VS Code- Git/Git hub
- Strong Communication Skills.

Bachelor of Technology (B.Tech) in [CSE (AI & ML)]
Ashoka Women's Engineering College, Kurnool | 05/2022 – 03/2026
CGPA: 8.3 / Percentage: 83%

Intermediate (MPC)
Narayana Jr College, Kurnool | 05/2020 – 03/2022
CGPA: 8.5/ Percentage: 85%

Secondary School Certificate (SSC)
Sarvagna High School, Nandyal | 05/2020
CGPA: 8.5/ Percentage: 85%

Internships / Projects

Stock market analysis and price prediction / Data Analyst Intern
Nigha Tech | 05/2025 – 06/2025

- Developed a stock market analysis project using Python to analyze and predict the stock prices of Narayana Hrudayalaya (NH.NS).
- Utilized libraries such as NumPy, Pandas, Matplotlib, scikit-learn, and finance to perform data extraction, preprocessing, visualization, and machine learning-based forecasting.
- Built a comprehensive analysis tool that improved predictive accuracy by 30% and enabled real-time insights to support investment decisions.

AI-Based Real-Time Molten Liquid Level Detection System / Data Analyst Intern
Nigha Tech | 06/2025 – 07/2025

Tech Stack: Python, OpenCV, NumPy, MobileNet SSD (Caffe), HSV Masking

- Designed and implemented an AI-Powered computer vision system to detect and monitor molten liquid levels in vessels using live video feed.
- Leveraged MobileNet SSD (pre-trained on COCO dataset) for object detection and applied HSV color masking for accurate liquid level estimation.
- Integrated tracking with deque to produce smooth overlays and achieved ~30 FPS performance for real-time industrial monitoring and safety applications.

AI Voice Assistance project
Ashoka Women's Engineering College | 03/2025 – 04/2025

- Built a Python-based voice assistant using SpeechRecognition, Pyttsx3, and PyWhatKit for voice control and automation.

- Integrated Wikipedia, Requests + BeautifulSoup, and Tkinter GUI for information retrieval, web scraping, and interface.

- Enabled tasks like setting reminders, playing music, web search, and basic system operations.

Achievements:

- Build and developed real time projects and gained so much of knowledge with hands on experience on IT Industry.
- Participated in Project Expo's to showcase my skills and to learn new skills.

Interests/Hobbies:

- Learning new things.
- Exploring new tech stacks.
- Building problem solving skills.

Declaration

I hereby declare that the above-mentioned information is correct and true to the best of my knowledge and belief.

Place : Kurnool

Signature : Jagati Naga Pravallika