Naga Venkata Raviteja Ungarala

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Career Objective

Recent graduate in Artificial Intelligence and Machine Learning with practical experience in Full Stack Development. Eager to contribute to innovative projects in AI/ML, Data Science, and Web Development. Seeking an entry-level opportunity to apply technical skills, learn from industry experts, and solve real-world challenges through intelligent and scalable solutions. Strong foundation in computer vision, deep learning, and modern web technologies, with the ability to adapt quickly and collaborate effectively in team settings.

Education

Swarnandhra College of Engineering and Technology **Sep 2021 - May 2025**
Bachelor of Artificial Intelligence and Machine Learning *Narsapur,A.P*
CGPA:8.49

Sri Chaitanya Junior College **Jun,2019 - Mar,2021**
Board of Intermediate Education (M.P.C) *Tadepalligudem,A.P*
93.5

Sujatha E.M High School **Jun,2018 - Mar,2019**
Board of Secondary Education (10th) *Palakollu,A.P*
9.5

Internship

Robocopler pvt Ltd **Nov 2024 – Mar 2025**
FSD Integrated With AI Intern *Vizag, A.P*

- Worked on AI/ML model development for automation tasks, improving predictive accuracy by 12%.
- Developed and optimized machine learning pipelines for real-time data processing and decision-making.
- Gained practical exposure to deep learning frameworks and computer vision techniques.

AIMER Society **May 2024 – July 2024**
Artificial Intelligence Intern *Vijayawada,A.P*

- Collaborated with a team of 4 to implement hand gesture recognition using MediaPipe, achieving 90% accuracy in gesture classification.
- Contributed to the development of 2+ AI applications for real-time use in various industries, enhancing efficiency by 15%.
- Acquired hands-on experience with API integrations, chatbot development, and AI-based solutions.

Projects

Lane Detection for Self-Driving Cars | *Python, OpenCV, NumPy, TensorFlow, Pycharm* **link**

- Developed a lane detection system using computer vision techniques to identify and track road lanes in real-time.
- Implemented image processing algorithms (e.g., Canny edge detection, Hough transform) to enhance lane detection accuracy.
- Achieved 90+ accuracy in lane detection on test datasets, contributing to safer autonomous driving systems.

Object Detection using YOLO | *YOLO v8, Google Colab, Roboflow*

- Engineered an object detection model with YOLOv8, achieving a 92% accuracy rate in detecting 10+ object classes.
- Processed and annotated 1000+ images to fine-tune model performance, reducing false positives by 10%.

Montanary Elevators Website Development | *HTML, CSS, JavaScript, SEO, Responsive Design* **link**

- Developed and deployed the official website for Montanary Elevators: `www.montanaryelevators.com`, enhancing the company's online presence.
- Implemented responsive design and SEO strategies to improve user experience and search engine visibility.
- Optimized website performance and ensured cross-browser compatibility for a professional user interface.

Technical Skills

Programming Languages: Python, C, Java
Web Technologies: HTML, CSS, JavaScript, WordPress, Netlify
Frameworks / Libraries: Streamlit, Flask, Django, Pygame, scikit-learn, TensorFlow, Pandas
Databases: SQL (Basics), MongoDB
Data Visualization Tools: Matplotlib, Seaborn, Power BI
Developer Tools: VS Code, Eclipse, Anaconda Navigator, GitHub
Cloud Platforms: Google Cloud Platform
Other Skills: Data Science, Machine Learning, Artificial Intelligence

Achievements

Achieved a global rank of 2500 in the IEEE Xtreme Programming Competition 17.0 and secured 4^{th} place in the college

Achieved a global rank of 1700 in IEEE Xtreme Programming Competition 18.0 and secured 1^{st} place in the college

Qualified for the finals of the CTF-Cyber Security competition organized by PALS and Edith Cowan University, Australia — selected among the top 40 teams out of 150

Certifications

Earned certification in NPTEL's "Python for Data Science"

Completed "AI for India 2.0" program

Certified in Microsoft Power BI

Participated in a 6-day workshop on "Python for Data Science" organized by Swarnandhra College of Engineering and Technology in collaboration with Brain-O-Vision, followed by a 24-hour hackathon

Extracurricular Activities

Worked as a Student Leader in Swarnandhra College of Engineering and Technology for PALS

Worked as an NSS Volunteer

Participated in a 2-day hackathon for project display and presentation