

N TULASI REDDY

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EDUCATION

Woxsen University <i>B.Tech in Artificial Intelligence and Machine Learning</i>	Hyderabad, Telangana <i>Aug 2022 – May 2026</i>
Narayana Junior College <i>Higher Secondary School Certificate (TSBIE)</i>	Hyderabad, Telangana <i>Jul 2020 – Mar 2022</i>

EXPERIENCE

Machine Learning Intern <i>Ransh Innovation Pvt. Ltd</i>	Feb 2025 – May 2025 <i>Remote</i>
<ul style="list-style-type: none">– Built an NLP-powered news aggregator using Named Entity Recognition (NER) and prompt engineering with LLMs.– Trained custom models and integrated LLM APIs for automated content categorization.– Improved accuracy and scalability of the system.	
Space Research Intern <i>Agnirva Space</i>	Dec 2024 – Jan 2025 <i>Remote</i>
<ul style="list-style-type: none">– Conducted exploratory research and analysis on space technologies.– Certificate Link	

PROJECTS

Agri-Drone for Disease Detection and Pest Spraying	
<ul style="list-style-type: none">– Technologies: Python, ArduPilot, QGroundControl, Spray Management Software, Obstacle Detection Sensors– Developed a UAV to automate pesticide spraying in agriculture. Integrated ArduPilot, GPS, and obstacle detection for navigation and control.– Improved cost-effectiveness, reduced labor, and minimized health risks.	
Heart Disease Prediction Using ML Algorithms	
<ul style="list-style-type: none">– Technologies: Python, Scikit-learn, TensorFlow, Keras, Pandas, NumPy, Matplotlib– Built models using Logistic Regression, Random Forest, and other algorithms.– Applied data preprocessing, EDA, and cluster-based oversampling.– Evaluated models using accuracy, precision, recall, and other metrics.	
Music Recommendation System	
<ul style="list-style-type: none">– Technologies: Python, Collaborative Filtering, Content-based Filtering, KNN– Developed a hybrid recommendation system using user data and music metadata.– Enhanced user satisfaction through personalized recommendations.	

TECHNICAL SKILLS

- **Languages:** Java, Python, SQL
- **Frameworks:** TensorFlow, PyTorch, Scikit-learn, Keras
- **Libraries:** NumPy, Pandas, Matplotlib, Seaborn
- **Techniques:** NLP, Computer Vision, Transformers, APIs
- **Web Development:** HTML, CSS, JavaScript, PHP

CERTIFICATIONS

- Coursera:** Introduction to Deep Learning with Keras 🏆
- Coursera:** Introduction to Artificial Intelligence (AI) 🏆
- Coursera:** Core Java 🏆