

# Raghava Ram Bolisetti

[in](#) bolisetti-raghava-ram-a05814251 | [github.com/Raghava497](#) | [✉ rambolisetti4@gmail.com](mailto:rambolisetti4@gmail.com) | [+91.7702815189](#)

## ABOUT

---

AI and Machine Learning enthusiast with experience in designing and implementing machine learning and deep learning models for computer vision and medical image analysis. Proficient in Python and modern frameworks, with a strong academic background and published research. Passionate about applying ML techniques to solve real-world problems while continuously advancing technical expertise.

## WORK EXPERIENCE

---

### **Python Developer Intern(Data Science & ML) – MSS TECHNO PVT LTD** (October 2025 – January 2026)

During this internship worked on Python-based applications involving data science and machine learning. Contributed to data preprocessing, analysis, and model development, along with backend development using FastAPI. Developed REST APIs, handled database CRUD operations, and integrated ML models into real-world applications.

### **Deep Learning Intern – NIT Warangal**

Worked on lung segmentation using advanced deep learning techniques, focusing on medical image analysis.

## PROJECTS

---

### **Medical Image Segmentation:**

Performed liver segmentation using U-Net and carried out OCT image segmentation.

### **Fire Types Classification:**

Developed a machine learning model for classifying fire types using MODIS satellite data.

### **Stock Management System:**

Developed a backend application using FastAPI to manage stock data with create, update, delete, and retrieval operations. Implemented user verification and role-based access to control data operations. And also deployed it in google cloud.

Designed and integrated the database using SQLAlchemy.

### **Global Trade Compliance AI Chatbot:**

Developed a domain-restricted chatbot using the OpenAI API specializing in import regulations and taxation. Engineered strict guardrails and knowledge-grounding to ensure high-precision responses focused exclusively on trade compliance and goods importation.

## EDUCATION

---

2021 – 2025	B.Tech (ECE) at <b>Rajiv Gandhi University of Knowledge Technologies, Nuzvid</b>	(GPA: 8.0/10.0)
2019 – 2021	PUC at <b>Rajiv Gandhi University of Knowledge Technologies, Nuzvid</b>	(GPA: 9.19/10.0)
2019	Mahatma Gandhi Municipal High School	(10 GPA)

## CERTIFICATIONS AND COURSES

---

Participated in IoT Expo23 held at IIIT-Nuzvid (2023), contributing to a project on plant disease detection.

Fundamentals of Machine Learning and AI – Raspberry Pi Foundation

## PUBLICATIONS

---

Journal Publication **”Advanced semantic lung segmentation with a hybrid SegNet–ResNet50 network,”** *Journal of Electrical Systems and Information Technology*, August 2025.

## SKILLS

---

Programming and Skills Python, Data Science, Machine Learning, Deep Learning, FastAPI, GCP(very basic)