



JAYA RAGUL N

CONTACT

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🌐 PORTFOLIO

SKILLS

- **Programming Languages:** C, Python
- **Frameworks & Tools:** OpenCV, TensorFlow, Flask, Pandas, NumPy, Matplotlib, Scikit-learn.
- **Databases:** MySQL, MongoDB.
- **Technologies:** Machine Learning, Deep Learning, Natural Language Processing (NLP).
- **Web Development:** Front end(HTML,CSS,JS) Fire base.
- **Other Skills:** Robotics (LINUX RTOS), Motion Profiling, API Integration, Version Control (Git)

WORKSHOPS

- Microsoft AI Skills Challenge – April 2024.
- Five-Day Workshop cum FDP – Amplifying AI: Advanced Optimization Strategies for Enhanced Performance (IIIT Kottayam).
- Open Source Models with Hugging Face -DeepLearning.AI (Certificate of Completion)
- QGIS Training – LinkedIn Learn



PROFILE

Am an engineer passionate about AI, machine learning, NLP, robotics, and web development to solve real-world problems. With expertise in building and deploying scalable machine learning models using Flask a, I aim to create impactful, ethical solutions. I'm also eager to contribute to innovative projects that use cloud computing, robotics, and advanced automation systems.



EDUCATION

B.Tech in Artificial Intelligence & Data Science

Sri Shakthi Institute of Engineering and Technology, Coimbatore

HACKATHONS & COMPETITIONS

• ISRO Hackathons

Participated in projects focusing on satellite data analysis and predictive modeling.

• Ideathon by Infosys

Presented innovative ideas for solving modern challenges.

KEY PROJECTS

- **Attendance Management System**
Designed and implemented camera-based attendance
- **Micro-Doppler Classification**
Classified drones and birds using ML on micro-Doppler signatures
- **Pneumonia Classification**
Used OpenCV and machine learning to classify X-ray images.
- **Medical NLP Projects**
Designed an NLP model to find disease based on symptoms and prescribe
- **Robotics Motion Profiling**
Implemented motion profiling using LINUX RTOS for robotics systems.
- **Open-Source Contributions**
Contributed to ML and web development repositories.



ACHIEVEMENTS

1. 1st Place in Paper Presentation at P.A. College of Engineering and Technology (2023)
2. Tech Lead – AI&DS Department Association (2024)
3. 1st Place – Idethon at Varnam, Karpagam College of Engineering and Technology (2025)
4. 1st place - Paper presentation at RVS College of Engineering and Technology (2025)