

LAXMI KARTHIKEYA GOLLAPUDI

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Summary

Second-semester Engineering student focused on AI applications and interdisciplinary scientific exploration. Experienced in developing Computer Vision and IoT projects, with a strong interest in research, technical writing, and gaining exposure across diverse Computer Science fields.

Skills

- Python
- Artificial Intelligence Fundamentals
- IoT Integration
- Predictive Modeling (In Progress)

Experience

1. Developed a mobile application for crowdsourced pothole detection using Kivy and Firebase, leveraging real-time accelerometer and gyroscope data to identify road anomalies. Implemented a threshold-based filtering algorithm to enhance data accuracy, effectively distinguishing between potholes and normal driving behavior.
2. Designed a skill-based multiplayer gaming system that utilizes custom-trained YOLOv8 model for real-time gesture recognition in Rock, Paper, Scissors. Engineered an automated scoring system with OpenCV for precise hand localization and validation, improving user engagement and gameplay experience.

Certifications

HackerRank Certification for Python Basics

Websites & Social Links

<https://medium.com/@glkarthik27>

<https://github.com/L-Karthik-G>

<https://www.hackerrank.com/certificates/5a6c02cda3c4>