

# LAXMI KARTHIKEYA GOLLAPUDI

---

glkarthik27@gmail.com | 8861846108 | Bengaluru, India 560076

## 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>