Sai Yatish Kinthali

Vishakhapatnam, Andhra Pradesh, India saiyatishk@gmail.com 8897802043 in/saiyatishkinthali

SUMMARY

Aspiring Electronics and Communication Engineering (ECE) graduate seeking opportunities to learn and grow in cutting-edge technology. Skilled in software development, algorithms, and data structures, I aim to contribute to innovative projects while gaining practical experience in software engineering and system design. Motivated to apply my technical skills and work collaboratively to support the organization's objectives.

PROJECTS

Object detection Using YOLO V4 & Implementation using Raspberry-PI

- Developed a real-time object detection system using YOLOv4-Tiny on Raspberry Pi, optimized for low-power devices.
- Integrated OpenCV for live video analysis, displaying object count and FPS, with detection logs for monitoring.
- Ideal for smart surveillance and edge computing applications in resource-constrained environments.

HAND MOTION & VOICE RECOGNITION

- Designed a real-time drawing tool combining hand gesture recognition and voice commands for intuitive user interaction.
- Implemented features such as gesture-based drawing, voice-controlled color selection, eraser mode, and canvas clearing for enhanced functionality.
- Used OpenCV to handle real-time video stream capture, rendering, and processing efficiently.
- Developed gesture recognition capabilities to track hand movements accurately and enable seamless drawing.
- Integrated SpeechRecognition to facilitate precise voice commands for selecting colors and performing actions.
- Technologies: Python, MediaPipe, OpenCV, SpeechRecognition.

Home Security Automation

- Developed a motion-detection system using Arduino and IR sensors to detect movement.
- Integrated Bluetooth module to send real-time alerts to a mobile app.
- Triggered LED and buzzer alarms for visual and audio notifications upon motion detection.
- Improved home security by providing an accessible and user-friendly solution for monitoring and controlling the system.

Electricity Generation Using Piezoelectric Sensor

- Designed a system to generate power from footfalls using piezoelectric sensors and store energy in a rechargeable circuit.
- Integrated photoelectric sensors for efficient footstep detection and optimized energy utilization.
- Suitable for applications in high-traffic areas to power low-energy devices, promoting renewable energy solutions.

EDUCATION

Bachelors in Electronics and Communication Engineering

Gayatri Vidya Parishad College of Engineering (Autonomous) • 2025

Diploma of Education in Electronics and Communication Engineering

Sri Venkateswara Polytechnic College • Nov 2021

CERTIFICATIONS

Python Basics for Data Science

EDX • 2024

Cybersecurity Internship

National Educational Alliance for Technology (N.E.A.T) associated with AICTE • 2023

AWS Cloud Internship

National Educational Alliance for Technology (N.E.A.T) associated with AICTE • 2023

National Skill Framework Level 4

Skill India Digital • 2021

INVOLVEMENT

Volunteer

Gayatri Vidya Parshid College of Engineering (Autonomous) • Rotract • November 2022 - Present

First position in Quiz Competation

Andhra University College of Engineering • TECHIGNITE 2K24 • March 2024 - March 2024

Internshala Student Partner

Gayatri Vidya Parshid College of Engineering (Autonomous) • Internshala • April 2023 -November 2023

Volunteer

Sri Venkateswara College of Engineering and Technology • Ready to Vote Campaign • January 2019

SKILLS

HTML, Python, C(Programming Language)

Soft Skills : Time Management, Effective Communication.

Technologies : VS Code, GitHub, Salesforce, Canva, Microsoft Office.