Dhupati Deepak

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Profile Summary

As a dedicated drone executive member and coordinator for the Innovation and Incubation Club (IIC) at my college, I excel in leadership, time management, and event planning. I have a proven ability to schedule and manage events while multitasking effectively. I aim to leverage my technical skills and organizational abilities to contribute to an innovative and dynamic work environment.

Skills

Technical Proficiencies : Python | C++ | HTML | CSS | Machine Learning

Soft Skills: Team Collaboration | Strategic Planning | Problem Solving

Internship

Software Engineering Intern | People Tech Group, Adoni | March 2025 – Present

● Gained hands-on experience in C++ (Advanced Level) by building real-time modules using Object-Oriented Programming, Standard Template Library (STL), and multithreading.

● Utilized tools like Git, GitHub, and Linux shell scripting for version control and automation.

● Applied design patterns and OOP principles to improve code maintainability and system scalability.

Projects

ASL Translator | Seshadri Rao Gudlavalleru Engineering college , Gudlavalleru

- Developed a real-time hand gesture recognition system using Python, OpenCV, and MediaPipe to interpret ASL alphabets, enabling dynamic word construction.
- Ensured a seamless user experience with a responsive interface despite challenges like varying hand sizes, orientations, and lighting conditions.
- Overcame performance issues by optimizing resources for accurate, real-time gesture detection with minimal latency.
- Delivered a tool with significant impact on accessibility for individuals with hearing or speech impairments, advancing human-computer interaction technologies.

Wave Point Navigation System for Autonomous Drones | Seshadri Rao Gudlavalleru Engineering college , Gudlavalleru

- Designed a Wave Navigation System for Tello drones to autonomously navigate waypoints and capture aerial images using Python.
- Resolved issues with drone stability, waypoint accuracy, and image capture synchronization for seamless operation.
- Improved drone autonomy and showcased expertise in Python and drone technology for efficient surveillance and mapping tasks.

Education

B.Tech | Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru,Gudivada

Intermediate | Narayana junior College, Vijayawada

S.S.C | Bhashyam High School ,Guntur

Certifications

- Oracle Certified Professional - Oracle Cloud Infrastructure 2024 Generative AI Certified Professional
- Microsoft Certified: Azure Fundamentals
- IBM Verified Certificate: Machine Learning with Python

Languages

English, Telugu