VIMALESH GUPTHA GADAMSETTY

Hyderabad, Telangana

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Education

Vasavi College of Engineering	**2021 – Present**
Bachelor of Engineering in Information Technology	*CGPA: 8.97/10*
Narayana Junior College	**2019 – 2021**
Intermediate Board of Education	*971 / 1000*
National High School	**2019**
SSC	*10 / 10*

Experience

IIIT Hyderabad	**Current**
Research Intern	*Hyderabad, India*

- Working as a Research Intern in the Drone + Cybersecurity domain under Dr. Deepak Gangadharan in IIIT Hyderabad.

Projects

Secure Drones | *Cyber-Security*

- Conducted research on identifying and analyzing security vulnerabilities in low-cost UAVs, focusing on network attacks and GPS spoofing through the MAVLink protocol, and developed potential mitigation strategies.

Train Accident Alerting System | *IOT*

- Developed an Intelligent Train Safety System leveraging ultrasonic sensor technology and IoT integration to enhance railway safety.Implemented real-time obstacle detection and proactive warning mechanisms using Arduino Uno and NodeMCU, facilitating remote monitoring through the ThingSpeak IoT platform. Demonstrated strong problem-solving skills and collaboration in addressing critical challenges in transportation safety.

PPT Controlling Using Hand Gesture | *Python*

- Developed a project called Gestured controlled presentation .We can control the ppt slides using Hand Gestures. This project was done by using OpenCv, MediaPipe, Hand Tracking Module.

Hotel Management | *C*

- Developed a project Hotel Management. This project was made by using C language. It creates a menu for the customers like food and accommodation for them to stay in that Hotel and allow them to participate in some fun-filled games.

Achievements

Winner, ICE Hackathon - Beat the Kraken: Fair Plan Edition at T-Hub: won 1 lakh rupees by cracking 37,000 out of 45,000 hashed passwords, competing against 15 teams.

Skills

Programming Languages: Python, C Programming, Java (OOP)
Web Technologies: HTML, CSS
Databases: MySQL (DBMS)
Other: Internet of Things (IoT), Cybersecurity

Certifications

- Introduction to Cybersecurity, **CISCO**
- Joy of Computing Python, **NPTEL**: Secured 90% in the exam and ranked in the top 5%.
- Programming, Data Structures and Algorithms Using Python, **NPTEL**

Extra-Curricular Activities

- Executive Board Member of Street Cause Vasavi[**Vice President and Logistics Head**] for the tenure 2024-25
- Member of Swayam's Event Management department in the year 2024.
- Volunteered with NSS in the year 2022.

Hobbies

Listening to Music, Watching Movies