NAGUBANDI MANMADA SURYA GANESH GUPTHA

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EDUCATION

Parul University   **Vadodara, Gujarat**

B.Tech in Computer science and techonology   *Expected Graduation, Mar 2025*

PROFILE SUMMARY

Recent graduate eager to begin a professional journey. Proficient in Python, NumPy, MySQL, and MS Office, with hands-on experience using tools like VS Code and PyCharm. Driven by a passion for learning and growth, I am excited to join a dynamic team where I can apply my skills, develop innovative solutions, and contribute to the success of the organization.

PROJECTS

Mouse Cursor Control Using Eye Movements   **June 2024-Aug 2024**

Tools: Python, OpenCV, mediapipe, NumPy
Developed an eye-tracking system to enable hands-free control of the mouse cursor for improved accessibility.
Responsibilities:
- Designed and implemented a system that tracks eye movements to control the mouse cursor, enhancing accessibility for users with physical disabilities.
- Utilized Python libraries such as OpenCV and mediapipe for facial landmark detection and eye tracking.
- Integrated the system with real-time cursor movement, improving user interaction without the need for a traditional mouse.
- Tested the system for accuracy and responsiveness, ensuring smooth cursor control based on eye gestures.

Wireless application control using hand gestures
Tools: Python, opencv,mediapipe,NumPy
Hand gestures provide a natural way for humans to interact with computers to perform a variety of different applications like ppt slides,media playback controls etc..
Responsibilities: Responsibilities:
- Develop and implement algorithms for recognizing different hand gestures (e.g., swiping, pointing, fist, open hand).
- Calibrate and adjust the sensors to work in various environmental conditions.
- Implement appropriate encryption or anonymization if sensitive data is involved.
- Ensure that the system accurately identifies gestures with minimal latency.

ACADEMIC ACHEIVEMENTS
- Infosys spring board To develop digital and life skills,including soft skills,to prepare us for employment..
- Power bi crash course: The E-Learning Course Of Power BI Crash Course.I learned basics of power bi.

SKILLS

Programming: Python, NumPy, MySQL, Excel

Tools: PyCharm, Visual Studio code