Akhil Prabhakar Karampuri

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EDUCATION

A. G. Patil Polytechnic Institute, Solapur   Solapur, Maharashtra
Diploma in Computer Engineering   June 2022 – June 2025

SKILLS SUMMARY

- **Languages:** PHP, Python, SQL, Java
- **Frameworks:** Laravel, Pandas, Numpy, TesnsorFlow, OpenCV
- **Tools:** Excel, Powerpoint, VS Code, MySQL
- **Platforms:** Pycharm, VS Code, Intellij IDEA
- **Soft Skills:** AI Tools, Team Co-ordination, Workload Handling, Presentator

WORK EXPERIENCE

Project-Based Learning
- **Beauty Salon Website:**
  - Developed a responsive beauty salon website using HTML, CSS, and PHP to enhance the salon's online presence and client engagement.
  - Implemented features like online booking, service catalog, and contact forms to improve customer interaction.
  - Utilized HTML and CSS for front-end design and user interface development, ensuring a mobile-friendly experience.
  - Integrated PHP for handling backend processes, including form submissions, email notifications, and dynamic content display.

Freelance Web Developer
- Designed and developed a responsive websites using HTML, CSS, and PHP.
- Worked closely with clients to gather requirements and deliver a user-friendly interface.
- Maintained and updated the website based on client feedback, ensuring cross-browser compatibility.

PROJECTS

1. Emotion-Based Music Recommendation System

- Developed a system that recommends music based on users' facial emotions using deep learning.
- Implemented real-time emotion detection with Python, OpenCV, TensorFlow, and Keras.
- Integrated the system with a music database to suggest tracks aligned with the detected mood.

2. Virtual Mouse Using Hand Gestures
- Created a virtual mouse system controlled by hand gestures using Python, OpenCV, and MediaPipe.
- Implemented cursor control, click, scroll, and drag functionalities based on hand movements.
- Optimized the system for real-time performance to ensure a smooth user experience.

3. Drone Detection System
- Developed a system to detect drones using the YOLO algorithm and machine learning techniques.
- Integrated real-time detection with an alert mechanism to notify about unauthorized drones.

CERTIFICATES

Programming in PHP (Vertex Technosys)
- Mastered fundamental HTML, CSS, and PHP syntax, proficiently utilizing tags, selectors, functions, and database interaction.
- Acquired expertise in frontend and backend development paradigms and associated logical concepts, enhancing web development capabilities.

Research in Paper Publication (IJRSET)
- Conducted in-depth research and analysis on [specific topic or subject], leading to the successful publication of a paper in the International Journal of Research in Science, Engineering and Technology (IJRSET).

AIDS (APCOE)
- Implemented algorithms for real-time detection and identification using computer vision techniques and machine learning models.