Pancham Patel

Email | GitHub | Website | LinkedIn

EDUCATION

University of Western Ontario
Major: Mechatronics Engineering
Honors/Awards: Western Scholarship of Excellence

EXPERIENCE

Pack Pro | *Sustainable Design Engineer* January 2024 – April 2024

● Collaborated with a team of six to develop a solution for members of the GBSA to avoid forgetting essential gear, preventing game cancellations and ensuring uninterrupted player participation
● Developed and implemented advanced prototyping techniques to create a sustainable engineering solution,ensuring compliance with UN Sustainable Development Goals
● Applied technical analysis techniques to evaluate and enhance the project's compliance with environmental and social standards

T.O.O.F.A.N | *AI App Developer* May 2024

● Collaborated with a team of four at HawkHacks to develop an AI-powered Arduino car equipped with danger zone detection and a helper chat feature, aimed at enhancing user safety and interaction
● Utilized the YOLO algorithm to develop a robust detection system capable of real-time object recognition
● Integrated a specialized feature that triggers a warning signal upon detecting phones, enhancing the car's safety protocols by alerting users to potential distractions or hazards

PROJECTS

Portfolio Website | *Front-End Developer*

● Developed my personal portfolio website to showcase projects and skills effectively to potential employers and collaborators
● Implemented front-end technologies such as HTML, CSS, and JavaScript to design and create a user-friendly interface with interactive features
● Ensured responsiveness across different devices, optimizing accessibility and user experience

Cinema Scout | *Front-End Developer*

● Developed 'Cinema Scout', a solo project aimed at providing users with a streamlined platform to explore and discover movie information
● Utilized React JS framework to create interactive features, enabling real-time API requests for movie details and dynamic content updates based on user input
● Designed with simplicity in mind, the website offers an intuitive interface for users to search movies by title and view comprehensive details

SKILLS & INTERESTS

Programming: Python, JavaScript (React), HTML, CSS, Java, MATLAB, CAD (OnShape)
Interests: Reading, Sports, Tech Innovation