# 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
**Interests**: Reading, Sports, Tech Innovation