



Swastik Patel

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ABOUT ME

I am a passionate problem-solver with a strong focus on delivering efficient, innovative solutions. With expertise in developing cutting-edge applications, I combine technical proficiency and user-centric design to tackle complex challenges. I am driven to create technology that has a meaningful impact to the society.

EXPERIENCE/INTERNSHIPS

Intern Software Developer - Innovative Kiosk Solutions | *Bilaspur - On Site* May 2024 - Aug 2024

- Developed and optimized Flutter apps with integrated facial recognition and liveness detection.
- Collaborated with cross-functional teams to improve app performance, reliability, and user experience.
- Contributed to debugging, testing, and optimizing code to enhance app functionality and security.

Freelance Video Editor | *Remote* Feb 2021 - Jul 2023

- Created high-quality gaming videos, montages, and thumbnails for YouTube clients.
- Streamlined editing workflows to ensure efficient delivery of creative, engaging content.

PROJECTS

YouTube Playback Speed Finish Time Estimator | *HTML, CSS, JavaScript, Chrome Extensions* Sept 2024

- Developed a Chrome extension that calculates and displays video finish times based on selected playback speeds, enhancing productivity.
- Implemented custom real-time playback speed control and finish time updates, improving the user experience.
- Integrated seamlessly with YouTube's interface, injecting custom functionality without affecting the overall user experience.
- Launched on the Chrome Web Store, gathering user feedback for continuous improvements.

Ez Parking - ANPR-based Automatic Fare Calculator | *Yolov8, OpenCV, Python, MySQL* Nov 2023

- Built an automated fare calculation system using ANPR to log vehicle entry/exit times and calculate parking fees.
- Improved plate recognition accuracy using machine learning, ensuring secure and reliable fare calculations.
- Integrated real-time processing for instant number plate recognition and automated fare computation, enhancing parking management.

Efficient Traffic Light Simulation Model | *AI, Python, TensorFlow, Keras, OpenCV* Sept 2024

- Developed an AI model for optimizing traffic light timings based on real-time traffic data, improving urban traffic flow.
- Utilized machine learning to dynamically adjust traffic signal timings, reducing congestion during peak hours.
- Incorporated real-time data processing for enhanced decision-making and traffic pattern prediction, optimizing urban traffic management.

EDUCATION

Bennett University Aug 2023 - May 2027

BTech CSE

Brilliant Public School Apr 2013 - Mar 2023

Matriculation And Intermediate

SKILLS

Programming Languages: Python, Java, C++, C, Dart, JavaScript, HTML, CSS

Frameworks/Tools: Flutter, Firebase, Git, MySQL, OpenCV, TensorFlow, Chrome Extensions

Technologies: Machine Learning, Face Recognition, ANPR, REST APIs, JDBC, Servlets

Soft Skills: Leadership, UI/UX Design, Collaboration, Critical Thinking, Problem-Solving