

## Full Stack Developer

**Passionate Full-Stack Developer** with expertise in **HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB, WordPress, and SEO**. Experienced in **building responsive web applications, optimizing user experiences, and managing content** with a strong focus on performance, accessibility, and scalability. Skilled in **frontend and backend development, API integration, database management, and cloud deployment**. Adept at **collaborating with cross-functional teams**, ensuring high-quality web solutions that align with business goals. Excited to leverage technical expertise to develop innovative, user-friendly, and efficient web applications.

## Professional Experience

Freelance Web Developer, Canada (Remote)	Mar 2024 - Present
<ul style="list-style-type: none"><li><b>Web Design &amp; Development:</b> Developed custom web applications and websites from scratch using React.js, Node.js, WordPress, and other modern technologies, focusing on responsive, interactive, and high-performance user interfaces</li><li><b>UI/UX Wireframing &amp; Prototyping:</b> Designed wireframes and interactive prototypes using tools like Figma, Adobe XD, and Webflow, ensuring seamless user experiences and alignment with client goals</li><li><b>SEO/SEM Optimization:</b> Applied SEO best practices to improve site visibility, including keyword optimization, on-page SEO, and content structure enhancement. Analyzed effectiveness using Google Analytics and Search Console</li><li><b>E-commerce Solutions:</b> Integrated WooCommerce and Shopify to design and develop e-commerce websites, enhancing online shopping experiences and streamlining transactions</li><li><b>Marketing Automation Integration:</b> Gained familiarity with marketing automation platforms such as <b>Pardot, HubSpot, and Marketo</b>, integrating forms, tracking pixels, and customer journeys into websites to optimize lead generation and marketing workflows</li><li>Collaborated with clients to define requirements, set project milestones, and ensure the final product exceeded expectations in terms of both functionality and design.</li><li>Delivered high-quality code with an emphasis on scalability, security, and performance optimization, ensuring long-term sustainability of client websites.</li><li>Provided post-launch support, offering technical troubleshooting, content updates, and site maintenance while training clients on content management best practices.</li><li>Performed quality assurance by testing cross-browser compatibility, mobile responsiveness, and debugging to ensure an optimal user experience. Optimized site speed using techniques like lazy loading, minification, and CDNs.</li><li>Managed project progress using tools like Trello and Asana, prioritizing tasks and meeting deadlines while staying updated with the latest trends and technologies for modern, efficient development.</li><li>Collaborated closely with clients to understand project requirements, provide regular updates, and deliver tailored web solutions that align with business goals.</li></ul>	

## Education

<b>Conestoga College</b> , Kitchener, Canada, Post Graduate Diploma in Web Development, (GPA: 3.31), Sep 2023 - Dec 2024
<b>Mangalam College of Engineering</b> , Kottayam, India, Bachelor of Technology in Computer Science and Engineering, (GPA: 7.21), Jun 2017 - Jul 2021

## Projects

PlanEat, <a href="#">Link</a>	Aug 2024 - Dec 2024
<ul style="list-style-type: none"><li>Developed a platform designed for meal planning, grocery management, and personalized recipe recommendations. Integrated Google Calendar for seamless scheduling, allowing users to plan meals and track grocery lists effectively.</li><li>Utilized Firebase for real-time updates, enabling collaborative meal plans and grocery tracking across multiple devices. Built using React.js, Node.js, Express.js, MongoDB, and Firebase for a modular and scalable architecture, with deployment on Netlify and Render.</li><li>Key features include family-wide meal scheduling, pantry inventory management, and seasonal recipe suggestions tailored to user preferences.</li><li>Resolved CORS issues, implemented real-time synchronization, and streamlined Google Calendar integration to ensure smooth functionality.</li></ul>	

- Significantly reduced the effort of managing household meals and groceries, improving efficiency and collaboration for busy families.
- **Key Technologies:** React.js, Node.js, Express.js, Firebase, MongoDB, Google Calendar API, Netlify, Render.

Automated Attendance System Based on Face Recognition & Live Video Processing

Apr 2020 - May 2021

- Developed an Automated Attendance System using face recognition technology and real-time video processing to streamline attendance marking, achieving 80% accuracy for occluded face recognition and reducing computational time.
- Utilized Python, OpenCV, MySQL, Haar Cascade, PCA, and Fisher LDA for implementing face detection, recognition, and database integration.  
Designed a robust training module with Fisher Faces, improving system stability and reducing error rates in diverse environments.
- Built a Tkinter-based GUI for real-time attendance management, integrating live video feeds and frame-by-frame processing.
- **Key Technologies:** Python, OpenCV, MySQL, Haar Cascade, PCA, Fisher LDA

Core Competencies

**Backend** Node.js, Express.js, MongoDB, SQL (MySQL, PostgreSQL), RESTful APIs, WebSockets, Firebase, Server-side authentication, API integration.

**Frontend** React.js, HTML, CSS, JavaScript, JSX, Bootstrap, Material-UI, Responsive Design, RESTful API integration, AJAX, DOM manipulation, Cross-browser compatibility., jQuery

**Mobile Development** Java, Kotlin, Dart, React Native

**Content Management & Publishing** WordPress, Content Management Systems (CMS), Content Publishing, Quality Assurance, Content Auditing, Content Updates

**SEO** On-Page SEO, SEO Best Practices, Keyword Optimization, Search Engine Visibility, Google Analytics

**Web Optimization & Accessibility** Responsive Web Design, Mobile Optimization, Web Accessibility (WCAG)

**Version Control** Git, Github, Gitlab

**Deployment** Netlify, Render, Heroku, AWS (Amazon Web Services), DigitalOcean

**Interests** Programming & Development, Photography, Travel, Reading

Publications

Automated Attendance System Based on Face Recognition & Live Video Processing, IJERT - ICCIDT

Jun 2021

Technologies: Python, OpenCV, Haar Cascade, Fisher Linear Discriminant Analysis (LDA), Principal Component Analysis (PCA)

Developed and published a [research paper](#) on an Automated Attendance System that utilizes face recognition and live video processing for efficient and real-time attendance tracking. The paper, published in the International Journal of Engineering Research & Technology (IJERT), demonstrated the system’s 85%+ accuracy and its real-time capabilities in detecting and marking attendance.

The paper received appreciation from the IJERT team and industry professionals for its innovative approach and practical use of face recognition in educational attendance systems.

Successfully demonstrated the project at the final presentation, earning congratulations from faculty and officials for its potential to automate and improve traditional attendance methods in educational institutions.