

Swastik Saumya

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Education

Institute of Management Studies (IMS) Ghaziabad	Ghaziabad, India
<i>Bachelor of Computer Applications (BCA)</i>	Aug 2022 – June 2025
State Board of Technical Education, Bihar	Bihar, India
<i>Senior Secondary (XII), Physical Sciences</i>	2022

Technical Skills

Languages: JavaScript, Java, C++, C, Python, SQL, HTML, CSS,	
Frameworks & Libraries: React, Node.js, Tailwind CSS, OpenCV	
Tools & Technologies: Git, GitHub, Firebase, GitHub Copilot	
Core Competencies: Front-End Development, Full Stack Development, Responsive Design	

Experience

Web Development Specialist	Jan 2024 – Feb 2024
<i>Techno Hack</i>	Virtual
• Developed three production-ready web applications: registration form with real-time input validation, countdown timer with precision timing logic, and calculator app with comprehensive mathematical operations	
• Implemented responsive design patterns ensuring cross-browser compatibility and mobile-first approach	
• Applied modern JavaScript ES6+ features and React best practices for maintainable, scalable code	
Web Development Specialist	Aug 2023 – Sep 2023
<i>Code Alpha</i>	Virtual
• Built social media dashboard with dynamic data visualization and real-time updates for user engagement metrics	
• Created personal portfolio website showcasing projects with optimized performance and SEO implementation	
• Utilized React component architecture and state management for efficient data flow and rendering	
Web Development Specialist	May 2023
<i>Cipher Byte Technologies</i>	Virtual
• Developed responsive interfaces using React.js and Tailwind CSS, improving load time by implementing code-splitting	
• Integrated Firebase authentication and real-time database for secure user management and data synchronization	
• Collaborated with 5-member team to enhance UI/UX, conducting user testing and implementing feedback iterations	

Projects

E-commerce Furniture Website <i>React, Firebase, Tailwind CSS, JavaScript</i>	Mar 2024 – Jan 2025
• Engineered full-stack e-commerce platform with product filtering, shopping cart, and secure checkout functionality	
• Implemented Firebase backend for authentication, real-time inventory management, and order processing	
• Designed responsive UI with Tailwind CSS achieving 95+ Lighthouse performance score	
Self-Driving Car Using OpenCV <i>Python, OpenCV, Raspberry Pi</i>	Mar 2023 – Aug 2023
• Built autonomous vehicle system integrating computer vision for lane detection and obstacle avoidance	
• Programmed Raspberry Pi hardware interfacing with cameras and motors for real-time motion control	
• Developed image processing algorithms using OpenCV for edge detection and path planning optimization	

Certifications & Achievements

Certifications: Android Development (Coursera), React Native (Meta/Coursera), Cybersecurity Analyst Job Simulation (Tata/Forage), Programming Fundamentals in Kotlin (Coursera), Google UX Design

Workshops: AI/ML/Data Science workshops at IIT Delhi and IIT Kanpur

Competitions: Participated in national-level skill contest focused on technical and problem-solving abilities

Projects: Contributed to AI-driven projects including gait recognition, resume optimization, and weather prediction tools