
Swastik Saumya

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Education

Institute of Management Studies (IMS) Ghaziabad

Ghaziabad, India

Bachelor of Computer Applications (BCA)

Aug 2022 – June 2025

State Board of Technical Education, Bihar

Bihar, India

Senior Secondary (XII), Physical Sciences

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

Techno Hack

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

Code Alpha

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

Cipher Byte Technologies

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 | React, Firebase, Tailwind CSS, JavaScript

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 | Python, OpenCV, Raspberry Pi

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