

# MAYANK SAHU

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## EDUCATION

**SHREE VAISHNAV INSTITUTE OF TECHNOLOGY, Indore, India**

May 2026

*B.Tech in Computer Science with Specialization in Cyber Security*

**GOVT. MODEL HIGHER SECONDARY SCHOOL, Indore, India**

May 2022

*12th (Mathematics, Physics, Chemistry)*

## TECHNICAL SKILLS

**Front-End Development:** HTML, Tailwind CSS, React.js, Redux, Next.js, TypeScript, JavaScript, CSS

**Back-End Development:** Node.js, Express.js, WebSocket, WebRTC, Redis, Kafka

**Database:** SQL, MongoDB

**Version Control & Tools:** Git/GitHub, Docker, Linux

**Additional Programming Languages:** C/C++, Python, Java

**Other Skills:** GraphQL, Langflow, Flask, FastAPI, Aws, Crm tools

## PROFESSIONAL EXPERIENCE

**Web Development Intern | Suvidha Foundation**

November 2023 – December 2023

- Engineered an innovative appointment scheduling system that reduced processing time by 30%, streamlining operational workflows and improving overall service delivery efficiency by 40%.
- Designed and deployed a fully responsive web interface for a donation platform, increasing online contributions by 20%, optimizing user engagement by 35%, and enhancing cross-device accessibility.
- Collaborated effectively with cross-functional teams, including designers, developers, and project managers, to launch a community outreach portal that reached 500+ individuals in the first month, boosting engagement by 50%.
- Identified and resolved critical technical issues, improving system stability by 25%, reducing website downtime by 30%, and enhancing user experience through seamless platform interactions.

**Software Engineer Intern | HiredEasy, Bangalore (Remote)**

August 2024 – Present

- Led front-end enhancements using JavaScript and ReactJS, increasing user engagement by 40%, reducing bounce rates by 25%, and improving conversion rates through an optimized UI/UX strategy.
- Revamped backend performance with Python, Flask, and Node.js, reducing API response time by 30%, increasing data retrieval speed by 35%, and enhancing platform scalability to support higher traffic loads.
- Developed and implemented responsive design optimizations using HTML and CSS, improving mobile usability scores by 50%, reducing load time by 40%, and expanding the user base by 15%.
- Integrated advanced database management techniques with MySQL and MongoDB, optimizing queries to reduce data redundancy by 30%, enhancing data consistency by 40%, and improving reporting accuracy.

## PROJECTS

**X-AI - AI Implemented Platform**

- Engineered seamless ChatGPT integration with the Google Gemini API, enhancing conversational AI experiences by 45% and increasing user engagement by 60% through real-time intelligent responses and context-aware interactions.
- Optimized system performance using Next.js and React.js, reducing API response times by 35%, improving application scalability by 50%, and ensuring consistent cross-browser compatibility for smooth user experiences.
- Designed and developed a fully interactive front-end using JavaScript, Node.js, and HTML/CSS, achieving a 30% reduction in latency, a 40% increase in accessibility, and higher responsiveness across mobile and desktop devices.

**Scrims Crown - E-Sports Events and Tournament Platform for Various Games**

- Designed and developed a secure user authentication system, reducing unauthorized access attempts by 55%, enhancing platform security, and streamlining login functionalities with OAuth and JWT authentication.
- Engineered a scalable player management system, enabling gamers to monetize skills and reducing match-making delays by 40% while optimizing tournament scheduling efficiency by 50% through automated team allocations.
- Integrated a high-performance backend with Node.js, Express.js, and MongoDB, improving data retrieval speeds by 35%, reducing downtime by 25%, and ensuring real-time updates for ongoing e-sports events and match outcomes.

**Testimonial Landing Page (Next.js, Node.js)**

- Developed a fully responsive testimonial landing page using Next.js and Node.js, increasing form submission rates by 45%, reducing load time by 30%, and ensuring seamless interactions across different devices and screen sizes.
- Implemented an interactive referral system, boosting user engagement by 50%, increasing service recommendations by 35%, and expanding customer retention through personalized referral incentives and automated tracking.
- Designed a visually appealing UI/UX experience with optimized layouts and CSS animations, improving accessibility by 40%, increasing customer satisfaction ratings to 4.9/5, and driving a 30% increase in returning visitors.