

HARSH SEHGAL

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LinkedIn

GitHub

EDUCATION

Institute of Engineering and Technology

B.Tech; CGPA: 7.15

Mahatma Hansraj Modern School

Higher Secondary (XII); Percentage: 85%

St. Marks College

High School (X) ICSE; Percentage: 80.1%

Dec'21 – Jun'25

Lucknow, Uttar Pradesh

2020 – 2021

Jhansi, Uttar Pradesh

2018 – 2019

Jhansi, Uttar Pradesh

EXPERIENCE

InternPe

Sep'24 – Oct'24

Web Development Intern

Remote

- Engineered and launched a feature-rich job board platform using the MERN stack, facilitating **250+** daily job postings while maintaining **90%** uptime.
- Streamlined database queries and established caching strategies, reducing API response time from **200ms** to **40ms** for enhanced user satisfaction.

Eyantra (IIT Bombay)

Feb'22 – Oct'22

EYRC Competition - Team Member

Remote

- Spearheaded the development of "Holo Bot," an advanced robotic system powered by ROS and Python, achieving high precision in automated drawing tasks.
- Customized PID control algorithms within the ROS Navigation Stack to achieve sub-millimeter precision in robotic motion paths.

TECHNICAL PROJECTS

Dal-ivery - Full Stack Food Delivery Platform

- Architected and deployed a MERN stack application integrated with Redis caching on AWS, serving **200+** active users daily.
- Integrated Stripe API for seamless and secure payment processing, reducing checkout abandonment by **40%**.
- Engineered a real-time order tracking system using WebSocket and Socket.io, maintaining an average latency of **30ms**.

HealthAI App

- Created an AI-powered health diagnostic platform leveraging the Gemini API for real-time, data-driven health predictions, improving diagnostic precision by **25%**.
- Designed a machine learning pipeline for anomaly detection, achieving a **92%** accuracy rate in identifying potential health risks.
- Crafted and deployed a highly responsive, device-agnostic UI using React and Material-UI, resulting in a **40%** boost in user engagement.

Dynamic Portfolio Website

- Built an interactive portfolio site using React.js and TailwindCSS, achieving an **85/100** performance score on Google Lighthouse.
- Incorporated GitHub API to fetch real-time project updates and established SEO strategies to maximize search visibility.
- Optimized website imagery and codebase for a **40%** increase in organic traffic and a **2-second** average load time.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript (ES6+), TypeScript, Java, SQL

Web Technologies: React.js, Node.js, Express.js, HTML5, CSS3, WebSocket

Databases & Tools: MongoDB, MySQL, Git, AWS, Postman

Frameworks & Libraries: TailwindCSS, React Testing Library

ACHIEVEMENTS & CERTIFICATIONS

- Technical Lead** at Electrical Engineering Society
- Completed **Harvard University's CS50x** certification with distinction, developing a full-stack web app as the final project
- Full Stack Web Development Certification** from Udemy, building **20+** projects, including e-commerce platforms
- Secured first position in the technical quiz competition at IET Lucknow among **20+** teams
- Active Open Source Contributor**, contributing **30+** merged pull requests to React.js and Node.js projects