

VAIBHAV SHARMA

+91 7087741581

vaibhavsharmask125@gmail.com

linkedin.com/in/vaibhav-sharma-8b7b10291



github.com/VAIBHAV13S

Education

National Institute of Technology Hamirpur, India

2023 - 2027

Bachelor of Technology - Mathematics and Computing; CGPA: 7.62

- Courses: Object Oriented Programming (OOPS), Data Structures and Algorithms (DSA)

S.D. Public School Hamirpur, India

XII - 91.8% — X - 93%

Skills

Languages: Python, C/C++, JavaScript, TypeScript, HTML, SQL, Bash, Solidity

Frameworks & Libraries: React, Express.js, Node.js, Tailwind CSS

Tools & Technologies: MERN Stack, Prisma, ORMs, WebSockets, Ganache, Vercel, GIT

Databases: PostgreSQL, MySQL, MongoDB

Development Practices: Monorepos, Turborepos, Full-Stack Development

Platforms: Linux, Web, Windows, AWS

Soft Skills: Verbal and Written Communication, Teamwork, Brainstorming, Leadership

Experience

Society for Electronic Promotion (SPEC), NIT Hamirpur

Aug 2024 - April 2025

Executive Member

Organizing Team

- Leading organization of Electrothon 7.0, a national-level hackathon featured in MLH 2025 calendar
- Managing event logistics, participant coordination, and technical infrastructure for 500+ participants
- Collaborating with cross-functional teams to ensure successful execution of hackathon events

Society for Electronic Promotion (SPEC), NIT Hamirpur

Aug 2023 - April 2024

Volunteer

Organizing Team

- Contributed to organizing Electrothon 6.0, a national-level hackathon part of MLH 2024 calendar
- Assisted in event management, participant support, and technical coordination
- Gained experience in large-scale event organization and team collaboration

Projects

Music Sync — Real-Time Music Platform | React, TypeScript, Node.js github.com/VAIBHAV13S/music-sync-app

- Developed full-stack web application enabling real-time synchronized music playback via YouTube
- Architected host-participant modes with sub-100ms sync latency and conflict resolution
- Integrated YouTube Player API for seamless streaming, QR code joining, and session analytics
- Built responsive UI using React 18, Tailwind CSS, TypeScript; deployed on Vercel
- Implemented production features: CORS & rate limiting, HTTPS enforcement, XSS protection

SpeedType Master — Multiplayer Typing Game | Node.js, Express, MySQL

Live: racetyper.onrender.com

- Developed full-stack real-time multiplayer typing game with single and multiplayer modes
- Implemented secure user authentication with JWT, OTP-based email verification
- Integrated WebSockets for real-time progress tracking, live chat, and WPM updates
- Designed performance dashboards with Chart.js for visualizing WPM and accuracy
- Engineered responsive frontend with animated backgrounds and virtual keyboard feedback

D3R — Disaster Relief Platform | Solidity, Ethereum, Chainlink

SIH Internal & HACK 5.0

- Developed blockchain-based donation platform ensuring transparency in disaster response
- Architected smart contract ecosystem with NGORegistry, FundPool, and MilestoneFunding
- Integrated Chainlink Oracle for real-world disaster data and IPFS for document verification
- Implemented DAO governance allowing community voting on milestone completions
- Deployed on Sepolia testnet with milestone-based fund disbursement preventing misuse