Harsh Sharma

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EDUCATION

- **Jaypee Institute of Information Technology** — *2021 - 2025*
  B-Tech in CSE — CGPA: 8.5/10
- **St. Joseph's School, Greater Noida** — *2020 - 2021*
  Intermediate (Class 12) — Percentage: 97.75%

EXPERIENCE

- **Fidelity International** — *June 2024 - July 2024*
  Technology Intern — On-site
  - Contributed to developing a Proof of Concept for a custodial crypto wallet, focusing on enhancing security features and implementing robust access control measures.
- **Freelancing** — *Jan 2024 - Jan 2024*
  Website Developer — Remote
  - Developed and deployed a responsive website for a University Literature Fest 2024, based on the client's Figma design, for promotion, marketing, and registration.
  - Registration count exceeding 10,000 and attaining a peak daily traffic of **5,000 visitors**.
- **Ask Senior** — *Sep 2023 - Oct 2023*
  Teaching Assistant — Remote
  - Provided guidance and resolved DSA/CP-related doubts, serving as a mentor and fostering a collaborative learning environment. Providing feedback to improve the course and enhance learning outcomes.

PERSONAL PROJECTS

- **Classroom Stalker** — *GitHub Link* / Demo Link
  Chrome Extension to organize classroom content with classification, chatbot, and note-saving features.

  - Tools & technologies used: MERN, Gemini API, Tailwind, **Chrome APIs**, Pinecone
  - Built a **RAG**-based Chrome Extension to efficiently organize and classify classroom content with dynamic tagging, chatbot assistance, and personalized note-taking features.
  - Implemented backend with Node.js, MongoDB, and **AWS S3**, enabling lecture processing and data storage.

- **Trade Alert** — *Github Link* / Demo Link
  A system delivering real-time alerts on critical stock news, ensuring effortless market awareness.

  - Tools & technologies used: MERN, **Langchain**, Puppeteer, **Firebase FCM**
  - Developed an **AI-powered** financial news analysis system leveraging Groq's LLM APIs to predict stock impact, delivering real-time insights via Firebase Cloud Messaging and email alerts
  - Implemented data scraping from 8 web portals, incorporating user preferences for companies and priority-based settings.

- **Skillswap** — *Github Link*
  Collaborative peer-to-peer learning and skill development platform.

  - Tools & technologies used: React, Express, MongoDB, Node, **JWT Tokens**, **Socket.io**, docker, **Google Oauth 2.0**
  - MERN stack web platform fostering collaborative learning and skill exchange, featuring real-time chat, Google OAuth 2.0 authentication, and JWT verification for enhanced security.

TECHNICAL SKILLS AND INTERESTS

Languages: C++, HTML, CSS, Javascript, Typescript
Frameworks/Libraries: React, Express, Mongoose, Node, Langchain, Tailwind CSS
Developer Tools Technologies: Docker, Postman, Git, GitHub, Swagger, Jest, GitHub Actions (CI/CD)
Cloud/Databases: MongoDB Atlas, Firebase

POSITIONS OF RESPONSIBILITY

- **Vice President,** Optica Student Chapter — *Aug 2022 - Aug 2024*
  Key role in JSCOP 5.0 website development, and collaborated on Optica's responsive site enhancement.
- **Coordinator** Knuth Programming Hub — *July 2023 - July 2024*
  Curated and created CP/DSA problem statement for Coding Events.

ACHIEVEMENTS

- **Knight on Leetcode** with Maximum Rating of 1962 (Top 3.4%), solved 650+ problems. — *Profile Link*
- **Specialist on Codeforces** with a Maximum Rating of 1556, solved 550+ problems. — *Profile Link*