HARSHIT SHUKLA

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Education

National Institute of Technology, Durgapur   **Nov 2022 – May 2026**
Bachelor of Science in Computer Science   *Durgapur, West Bengal*
Certifications : Prompt Design in Vertex AI– Skill Badge, Google Cloud Skills Boost (May 2025).
                  : Goldman Sachs-Software Engineering Job Simulation

Experience

SStruence Innovations Pvt. Ltd.   **March 2024 — May 2024**
FrontEnd Developer Intern   *Remote*
- Elevated the visual appeal and user experience by refi ning the design aesthetics, and optimizing layout for seamless navigation, resulting in a **20% increase in user engagement** metrics such as time spent on site and pages visited..
- Introduced captivating animations throughout the website while ensuring smooth performance and compatibility across diverse devices, leading to a **15% rise in mobile traffic** and a 25% decrease in bounce rates.

Projects

Quick.Ai | *Next.js, Express, Neon , PostgreSQL, Gemini API, ClipDrop API* | Github   **July 2025**
- Developed a full-stack **AI-powered SaaS** platform that enables users to **generate articles**, **review resumes**, and perform **image editing** tasks such as **background and object removal**.
- Built a responsive frontend using **React.js** and a scalable backend with **Express.js** and **Neon (PostgreSQL)** for efficient data handling and user management.
- Integrated **Gemini API** for AI-generated content and resume insights, and **ClipDrop API** for advanced image processing functionalities.
- Designed modular **UI/UX** with **authentication**, **prompt-based workflows**, and **real-time output rendering**, streamlining the user experience across multiple tools.

Mern Chat App | *React.js, Node.js, Express.js, MongoDB , Socket.io* | Github   **December 2024**
- Implemented **JWT**-based authentication authorization, with secure route handling and protected user access.
- Developed **real-time messaging** using **Socket.io**, featuring online user status and global state management with **Zustand** for optimal performance.
- Designed a fully responsive and modern UI using **TailwindCSS** and **DaisyUI**, with seamless UX across devices and integrated full-stack error handling for enhanced reliability.

Food Delivery App | *React.js, MongoDb, Express, Node.js, Stripe* | Github   **October 2024**
- Built a full-stack food ordering platform with secure **JWT-based authentication**, a **dynamic shopping cart**, and order tracking features using the MERN stack.
- Integrated **Stripe API** for secure payment processing, ensuring a seamless checkout experience.
- Enabled **real-time order** status updates with **WebSockets**, reducing customer complaints by **35**%.

Technical Skills

Languages: Python, C/C++, HTML/CSS, JavaScript, Typescript, SQL
Frameworks/Libraries: React.js, Next.js, Express, Node.js, Django, MongoDB, Socket.io, Tailwind CSS,
Developer Tools: VS Code, Git, Github, Firebase, PostgreSQL, Postman, Swagger, Vercel, Netlify
Core CS Concepts: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, OOPs

Academic and Extracuricular Achievments

- Solved **500+** DSA problems : Completed Challenges on platforms like **Leetcode**, **gfg** , **Codeforces** .
- Top 50 in **Hack The Wall Hackathon** : Ranked among **top 50** students in Global competiton.
- Ranked Top in the Hackathon **Burn Brain** Conducted by CSS Club with a prize pool of **3000 INR**.

Leadership / Position of Responsibility

Senior Web Developer & Event Head @SAEINDIA-NIT Durgapur (Website)   **Jan 2023 – Present**

∗ Directed a cross-functional team of **12** in launching and maintaining the club's website, increasing member engagement by **40%** through improved event visibility and alumni networking features.
∗ Coordinated **15+** annual events, improving timelines and collaboration across **250+ club** members..
∗ Led the end-to-end development of Aarohan's official website using **React.js, Django, and Firebase,** enabling over 500+ participants to explore events, register online, and receive updates.