

SHUBHAM JAISWAL

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EDUCATION

Indian Institute Of Technology (BHU)

B. Tech in Electronics Engineering

Varanasi, INDIA

Expected June 2025

SKILLS

Programming Languages: JavaScript, HTML, CSS, C, C++, Go, Python, TypeScript

Frameworks & Libraries: ReactJS, Next.js, Node.js, Express.js

Area of Interest: Data Structures and Algorithms, Competitive Programming, Full Stack Development.

WORK EXPERIENCE / INTERNSHIPS

Software Engineering Intern | Samsung Delhi

May 2024–July 2024

- Designed and developed a React-based UI with Redux for state management, enhancing user experience for 200+ users.
- Implemented multi-level workflows with role-based access control for 5 roles and structured a PostgreSQL database schema with 10+ tables, optimizing query performance by 20% through 50+ SQL commands.
- Collaborated with backend teams to integrate 30+ RESTful CRUD APIs, performed testing and bug fixing, resolving 40+ issues to improve UI satisfaction by 15%.

Exposure: React, Redux, PostgreSQL

Freelance Software Developer | Trio Global Inc, Boston ([Link](#))

August 2023–April 2024

- Developed and deployed multiple AI-powered Microapps using Next.js and Tailwind CSS, integrating OpenAI API for advanced functionalities.
- Delivered tailored solutions to client, ensuring high performance and responsive design across various platforms.

Exposure: Next.js, Tailwind CSS, OpenAI API

PROJECTS

Trading Platform ([GitHub](#))

April 2024

- Engineered a trading platform using React, Express.js, and Tailwind CSS, resulting in a 50% faster load time and a 40% increase in user engagement with a highly responsive UI.
- Integrated 5 real-time data APIs and implemented security protocols that reduced potential vulnerabilities by 30%.
- Collaborated in a team of 3, leading to a 1st prize win out of 50+ teams at the hackathon, completing the project 20% ahead of schedule. Exposure: ReactJS, Express.js, HTML, CSS, Tailwind CSS, Node.js, API Integration

Faulty Node Detection and Intelligent data routing in an IOT network

December 2023

- Constructed a robust AI-driven data routing and fault prediction system, rigorously tested to attain 93% recall and 99% accuracy, enhancing operational efficiency and reducing downtime across critical applications.
- Evaluated various algorithms and input features, refining the model by selecting the most effective outlier detection methods to enhance system accuracy and efficiency. Exposure: XGBoost, Q-learning, Matplotlib, Pandas, Routing Algorithms, Outlier Detection Algorithms

ACTIVITIES

Event Coordinator | Udyam (Devbits): Organized a web development and competitive programming event, conducted workshops, and organized a hackathon on Devfolio with participation from 50+ teams.

Tech Executive | Synergy Cell: Developed and maintained SNTC's official website, ensuring functionality, usability, and branding consistency using Next.js and Tailwind CSS.

ACHIEVEMENTS

- Codeforces Expert** (Max rating: 1641), solved 800+ problems (ID: [Shubham Jaiswal](#))
- Inter IIT Grad Capital High Prep PS Participant:** Actively contributed to developing a Flutter prototype for a startup idea showcased at Inter IIT Tech Meet 11.0.
- Coding Ninjas Master** with 500+ problems solved, achieved May 2023 **monthly college topper** badge ([profile](#))
- Secured rank 511 in Google Code jam 2023 Farewell Round A.
- Secured 3rd position in the Devbits Hackathon, held during Udyam'23, the annual Technical Festival of Electronics Engineering Society, IIT (BHU), Varanasi.