SAHIL SAW

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Education

Noida Institute of Engineering and Technology | B. Tech
Greater Noida, UP | November 2022 – November 2026 | 7.22 GPA (up to 5th Sem)

- Relevant Coursework: Data Structures, Algorithms, Computer Networks, Cloud Computing, Operating System, Database Management System, Object Oriented Programming

Work Experience

I-Educative (Fintech)
February 2024 – July 2024 | Research and Development Intern

- Deployed a web app on **AWS** using **CloudFront**, **EC2**, and **S3**, reducing page load time by **30%** and improving user retention
- Built a **PERN**-based performance analyzer, cutting debugging time by 40% through advanced issue tracking
- Integrated **Npcap and Fiddler** for network traffic monitoring, leading to significant latency optimization

Davaivala (Startup)
May 2023 – July 2023 | Freelance UI/UX designer

- Designed UI/UX for the company's website and app using **Figma**, contributing to a ₹**1 Crore investment**
- Partnered closely with developers and founders to ensure smooth transfer of design components and maintain UI consistency across platforms
- Refined Davaivala's UI/UX through iterative feedback, ensuring a user-friendly design

Projects

Kizuna – Real-Time Chat Application | Live Demo · GitHub
PERN Stack · Socket.io · AWS EC2 · JWT · Nginx · PM2

- Developed a real-time chat app using the **PERN stack** with **Socket.io**, supporting over 1,000 concurrent users with minimal latency
- Deployed on **AWS EC2** with **Nginx** and **PM2**, achieving 99.9% server uptime and reducing downtime by 85%
- Integrated stateless **JWT** authentication, reducing DB calls by 40% and boosting API efficiency by 30%
- Secured communication via HTTPS, CORS, and cookie-based auth, mitigating 70% of potential security risks

Achievements

Competitive Programming
- Achieved Codeforces Specialist (1498) – Top 4% in India (~Top 8% globally)
- CodeChef 3-Star (1609) – Top 15% among active competitive programmers
- Secured AIR 66 in Codeforces Round 981 (Div. 3) – Global Rank 403 (Top 1% of 39.9K participants)
- Meta Hacker Cup 2024 Round 1: Global Rank 2,342 (Top 10%) | AIR 553 (Top 9% in India)
- LeetCode: Solved 666+ DSA problems | Global Rank ~68.4K (Top 1.3% of ~5M users)

Technical Skills

- Languages: Java, C++, C, Python, JavaScript
- Web Development: React.js, Node.js, Express.js, RESTful APIs, Socket.io, WebGL
- Databases: PostgreSQL, MySQL, SQL
- Tools & Platforms: Git, GitHub, Linux/Unix, AWS EC2, Nginx, PM2

Certifications

- *The Complete 2024 Web Development Bootcamp* – Dr. Angela Yu, Udemy [Link ↗]
- *Object-Oriented Programming in Java* – UC San Diego, Coursera [Link ↗]
- *Human-Centered Design for Inclusive Innovation* – University of Toronto, Coursera [Link ↗]