Chirag Singhal

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EDUCATION

Netaji Subhas University of Technology — 2022 - 2026
B.TECH in Computer Science and Engineering (Data Science) — ***8.26 CGPA***

EXPERIENCE

Tech Intern — **Sep 2024 – Present**
myNachiketa Knowledge Foundation — *Delhi, India*
- Designed an automated workflow to collect user emails and phone numbers, then efficiently send promotional emails and messages using TextLocal and Mailchimp APIs.
- Built an interactive data visualization platform using Next.js, AWS PostgreSQL, Prisma ORM, and TailwindCSS, significantly improving data access speed by **70%** and enabling real-time insights and comprehensive analytics for users.
- Engineered a custom CDN using Next.js for the Google Sign-In popup, improving authentication load times by **40%** when integrated with Wix Velo, resulting in enhanced web performance and a smoother user experience.

Web Developer — **Dec 2023 – Feb 2024**
Studio-10 — *Delhi, India*
- Improved user satisfaction by **40%** by designing an intuitive and responsive interface, seamlessly integrating Reactjs with Firebase, and expediting synchronization by **30%**.
- Enhanced cross-platform functionality, cutting load times by **25%** and boosting user engagement across mobile and desktop devices.

Web Developer — **May 2024 – Aug 2024**
GSSOC — *Remote*
- Accelerated feature implementation by **30%** through collaboration with 30+ developers and project maintainers across 5 projects.
- Resolved merge conflicts by implementing robust version control systems(Git and Github), reducing conflicts by **40%**.

PROJECTS

MedRem – Personalized Digital PillBox — **Feb 2025 – Present**
Next.js, Tailwind, Firebase
- Implemented automated reminders and a virtual pillbox, improving medication adherence and reducing missed doses.
- Developed a medicine adherence solution that optimized stock management and enhanced operational efficiency by **35%** through real-time database integration and robust security measures.
- Designed an intuitive UI with Next.js and Tailwind CSS, ensuring a seamless user experience for patients and caregivers.

Trippy – Trip Management System — **Dec 2024 – Feb 2025**
Next.js, Firebase, Cloud Storage
- Developed a comprehensive trip management platform, allowing users to seamlessly create, join, and organize trips.
- Integrated a secure, cloud-based media storage system with Firebase Storage, enabling fast and reliable uploads.
- Implemented a real-time chat feature supporting both group conversations and direct messaging for enhanced trip coordination.
- Designed an intuitive and responsive UI for effortless navigation, bulk media uploads, and streamlined trip documentation.

CodeArena – Online Coding Platform — **Jul 2024 – Aug 2024**
Next.js, Tailwind CSS, Node.js, Express.js, Python
- Innovated an online coding platform with real-time analysis and optimization suggestions, accelerating user efficiency by **20%**.
- Launched and integrated real-time leaderboards and community discussions, increasing platform engagement by **35%**.
- Engineered a scalable backend infrastructure with Node.js and Express.js, improving platform performance and supporting a **50%** increase in concurrent users.

POSITION OF RESPONSIBILITY

President — **May 2024 – Present**
Devcomm — *Delhi, India*
- Spearheaded the NSUTX project, achieving **10k+** downloads and 4k active users, and orchestrated workshops for over **400** students.
- Initiated and led projects such as DSAX and AmulX, attracting over **5k** total users and 2k+ daily active users.
- Empowered over 400 students with advanced technical skills and facilitated the dissemination of industry-relevant knowledge within the campus community by organising technical sessions and competitions.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: Python, C++, SQL, JavaScript (ES6+)
Web Development Frameworks & Libraries: Express.js, Next.js, React-Redux, Node.js, Prisma, Drizzle
Version Control: Git, GitHub
Database: MySQL, MongoDB, Firebase, AWS PostgreSQL, Supabase
Coursework: Data Structures and Algorithms, Operating Systems, Database Management Systems, Distributed Computing, Data Mining

ACHIEVEMENTS

Competitive Programming: Knight(1850+) on Leetcode and Specialist (1450+) on Codeforces
Top 1 percent amongst all JEE candidates (98.9 percentile, AIR 9985)