

MD SOHIL

CS Student — Delhi, India

📞 +91-9870329118 | 📩 mdsohil1913051030@gmail.com | LinkedIn | GitHub | Portfolio

SUMMARY

I am a driven **Computer Science Engineer** with strong skills in **data structures, algorithms, and full-stack development**. I have hands-on experience in building **scalable applications**, solving **complex problems**, and contributing in **hackathons and team-based projects**. Proficient in **agile workflows and modern development practices**, I am passionate about **product engineering, cloud technologies, and AI-driven solutions**. With a focus on **innovation, business impact, and secure, efficient, high-quality software systems**, I aim to help organizations **scale and transform digitally**.

SKILLS

Programming Languages: C, C++, Python, Java, JavaScript

Libraries & Frameworks: React, Next.js, Numpy, Node.js

Tools & Platforms: Git, Vercel, GitHub

Databases: SQL, MongoDB, PostgreSQL

Core Concepts: DSA, Object-Oriented Programming, Operating Systems, Computer Networks, DBMS

Other Skills: Excel, MS Word, PowerPoint, Canva, Figma

WORK EXPERIENCE

V Dream Digitally pvt. Ltd.

Aug 2023 – Oct 2023

Software Developer Intern

- Developed and optimized **responsive, component-based user interfaces** using **HTML, CSS, JavaScript, and React**, improving page load responsiveness by ~20% through optimized component rendering and reuse while ensuring **cross-browser compatibility** and **mobile-first design**.
- Collaborated in a **virtual Agile team** across sprint cycles, contributing to **UI design discussions** and delivering **5+ reusable UI components** aligned with structured frontend implementation practices.
- Enhanced **user experience (UX)** and **accessibility** by applying **UI best practices** and performance optimization techniques, reducing **UI-related issues** by ~25% across mobile and desktop views.

V Dream Digitally pvt. Ltd.

May 2022 – Oct 2022

Technical Intern

- Developed a **real-time magnetic field analysis tool** with a **PyQt5 GUI**, enabling live **FFT visualization** and signal/noise comparison, reducing manual analysis effort by ~35%.
- Implemented **multi-threaded data processing** for live plotting, improving **UI responsiveness** by ~20% and eliminating blocking during real-time data capture.
- Automated **CSV parsing, FFT-based spectrum analysis**, and per-second result exports, cutting reporting time by ~40% while improving accuracy of B-field and sensitivity calculations.

PROJECTS

AI-Powered Mock Interview Platform

- Built an AI-driven mock interview platform using **Gemini APIs** that provides **real-time, structured feedback** on **DSA, aptitude, logical reasoning, and soft skills**.
- Designed and integrated core modules such as **Resume Builder, Aptitude Tests, and Interview Simulator** using **Next.js, Clerk authentication, and Tailwind CSS**.
- Deployed the application on **Vercel** using **serverless architecture**, enabling **cloud scalability, low latency**, and reliable performance under varying workloads.

AI-Powered Health Report Translator

- Developed an **OCR and NLP-based system** to convert complex medical reports into simplified, multilingual explanations, improving accessibility and patient understanding.
- Integrated intelligent features including **risk scoring, contextual summaries, and doctor recommendations**, targeting **rural and defense healthcare systems**.
- Implemented **secure data handling** and **offline accessibility**, while applying **AI-based health trend prediction** to support proactive wellness monitoring.

EDUCATION

Guru Gobind Singh Indraprastha University - GTB4CEC, Delhi

Aug 2022 – June 2026

Bachelor of Technology in Computer Science and Engineering

CGPA: 7.5