

Virat Sirohi

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ABOUT

Proactive B.Tech IT Engineering student passionate about crafting efficient, scalable, and user-focused software solutions. Skilled in Java, Python, and Data Structures & Algorithms, with hands-on experience in web development using MERN. Known for writing clean, maintainable code and solving complex problems with precision.

EDUCATION

IMS Engineering College B. Tech (IT)	October 2023 - October 2027
Christu Jyoti Convent Senior Secondary School Secondary School	April 2021 - April 2022
Christu Jyoti Convent Senior Secondary School High School	April 2019 - April 2020

TECHNICAL SKILLS

- **Languages:** Java (DSA Focus), TypeScript, JavaScript, SQL, Python, HTML5, CSS3.
- **Frameworks & Libraries:** Next.js, React.js, Node.js, Express.js, Socket.io, Tailwind CSS, Framer Motion.
- **Databases & Tools:** MongoDB, MySQL, Git, GitHub, Vercel, Postman, Firebase.
- **Core Fundamentals:** Data Structures & Algorithms, OOPs, DBMS, Operating Systems, Computer Networks.
- **API & Cloud:** REST APIs, Gemini AI API, Google Maps API, JWT Auth.

PROJECTS

FaceBeam Python, Flask, OpenCV, face_recognition, SQLite, Bootstrap	September 2025 - October 2025
<ul style="list-style-type: none">• Engineered an AI system using Python, OpenCV, and face_recognition to automate attendance via real-time facial recognition, eliminating manual processes and proxy attendance.• Developed a Flask web application with an SQLite database to manage student details, class timetables, and log attendance accurately by subject and time.• Designed interactive Admin and Student dashboards using Bootstrap and Chart.js, featuring live status updates, absentee lists, overall attendance percentages, and subject-wise breakdowns.• GitHub-FaceBeam	
SDE Portfolio Website Next.js 14, TypeScript, Tailwind CSS, Framer Motion, EmailJS	December 2025 - January 2026
<ul style="list-style-type: none">• Developed a high-performance, responsive portfolio using Next.js 14 (App Router) and TypeScript, achieving a perfect 100/100 Lighthouse score through advanced image optimization and code splitting.• Engineered an immersive user interface with Framer Motion, implementing complex layout animations and a modular component architecture for the "Hero" and "Skills" sections.• Integrated a serverless communication system using EmailJS, enabling secure, real-time form submissions directly from the client-side without managing a backend server.• Deployed the application via Vercel with an automated CI/CD pipeline, configuring robust SEO and OpenGraph metadata for professional social media previews.• GitHub-Portfolio	