

# Virat Sirohi

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## ABOUT

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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

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### IMS Engineering College

October 2023 - October 2027

B. Tech (IT)

### Christu Jyoti Convent Senior Secondary School

April 2021 - April 2022

Secondary School

### Christu Jyoti Convent Senior Secondary School

April 2019 - April 2020

High School

## TECHNICAL SKILLS

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- 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

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### FaceBeam | Python, Flask, OpenCV, face\_recognition, SQLite, Bootstrap

September 2025 - October 2025

- 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**

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### SDE Portfolio Website | Next.js 14, TypeScript, Tailwind CSS, Framer Motion, EmailJS

December 2025 - January 2026

- 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**