

SATVIK SAINI

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Education

Delhi Technological University, Delhi

November 2022 – May 2026

Bachelor of Technology in Computer Science

CGPA: 9.09

Ahlcon Public School, Delhi

April 2020 – March 2022

AISSCE/CBSE (Class XII)

Percentage: 93.2%

Banyan Tree School, Delhi

April 2019 – March 2020

AISSCE/CBSE (Class X)

Percentage: 95%

Technical Skills

Programming Languages: C, C++, Java, Python, MySQL, Shell Scripting

Web Technologies: HTML, Tailwind CSS, JavaScript, React.js, Next.js, Node.js, Express.js, REST APIs, MongoDB, Bootstrap

Developer Tools: VS Code, Git, Postman

Computer Fundamentals: Object Oriented Programming, Database Management System, Operating System

Work Experience

Nelumbus Technology

June 2024 – July 2024

Web Developer Intern

Remote

- Built a responsive website from scratch using **HTML, CSS and JavaScript**
- Identified and fixed web bugs, leading to a **50%** increase in site performance and 25% decrease in user-reported issues
- Participated in weekly code reviews for optimisation, **offering feedback** to improve code quality
- Transformed user interface by implementing adaptive design ideas, leading to **30%** boost in customer satisfaction score

Projects

SecureX | [Repo Link](#)

April 2023 - May 2023

- Developed an **AI-driven system** using **YOLO** and the **face_recognition** library to identify individuals from surveillance footage and social media with **75%** accuracy
- Implemented data extraction and analysis techniques with **BeautifulSoup for web scraping**, facilitating real-time tracking and predictive route mapping of individuals
- Engineered an alert system using **SMTP email** and popup messages to notify authorities, streamlining the response process for locating missing persons

Study Notion | [Demo Link](#)

August 2023 - January 2024

- Developed an EdTech platform using **MERN stack** with dedicated interfaces for students (course purchase and rating) and instructors (course creation and publication)
- Used **JWT authentication**, sending verification email with **NodeMailer**, and payment processing via **Razorpay API**
- Managed media storage using **Cloudinary** and ensured data protection with **bcrypt** for password hashing

ChessMate | [Repo Link](#)

June 2024 - August 2024

- Developed ChessMate, an interactive chess platform enabling **real-time** multiplayer games with friends through **React** and **Socket.io**, featuring a custom room creation and join function using unique room IDs for private matches.
- Integrated complex chess mechanics, including **castling**, **en passant move**, and **pawn promotion**, to provide an authentic chess experience with accurate move validation.
- Optimized real-time game **synchronization** and **responsiveness** across devices, using socket programming to maintain **low-latency** gameplay.

Awards & Achievements

- 1000+** problems on Leetcode | 3-Star Coder on CodeChef
- 99.48** percentile in JEE Mains 2022
- Scored **100%** in Chemistry in Class XII board | Amongst Top 3 students in school during 2019-2022 consecutive years
- Achieved 3rd place in the National Science Olympiad (NSO)