

# Shivanshu Verma

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## Education

### Indian Institute of Technology Patna

Aug 2024 – Present

### Green Field Academy

Percentage: 91.2

### Pt. DeenDayal U. S. V. M. Inter College

Percentage: 94.2

### B.Tech, Chemical Engineering

Grade: 8.26

### Class XII (2023–24)

### Class X (2021–22)

## Technical Skills

**Programming & Algorithms:** C, C++, Java (basics), Python (basics), Data Structures & Algorithms

**Web & Frameworks:** JavaScript, React, Next.js, HTML5, CSS3, Tailwind, TypeScript

**Databases & Backend:** MongoDB, Express.js, Node.js

**Tools:** Git, Github, Canva, Postman(basics), VS Code, Chrome DevTools (basics)

## Projects

### CHESSx — Chemical Engineering Students Society Website — IIT Patna

*Tech stack:* Next.js, Express.js, MongoDB, Tailwind CSS, GSAP, Joi, Axios, CORS

**GitHub:** [github.com/Shivanshu08Verma/ChESSx1](https://github.com/Shivanshu08Verma/ChESSx1) | **Live:** [chessx.iitp.ac.in](https://chessx.iitp.ac.in)

**Key Features:** Implemented Role-Based Access Control (RBAC) for admin management (user roles, ban/unban, form status toggle), a secure Hoodie Order Platform, and an Event Showcase with photo galleries.

**Backend Focus:** Developed Express.js/Node.js APIs and MongoDB schemas with strong data validation using Joi.

## Experience

### Sub-Coordinator of CHESSx (Chemical Engineering Students Society) — IIT Patna July 2025 – Present

- Designed and implemented a full-stack club website using **Next.js**, **React**, **Tailwind CSS**, **JavaScript** (Frontend) and **Express.js/MongoDB** (Backend).
- Developed a robust backend architecture focusing on API design, secure data validation using **Joi**, and implementing **Role-Based Access Control (RBAC)**.

## Achievements

- Active on **Codeforces** with a maximum rating of **1355 (Pupil)**; maintained a continuous competitive programming streak of **75 days**.
- Secured **97.7 percentile** in JEE Main, placing among the **top 2.3%** of over 1.2 million candidates nationwide.
- Qualified JEE Advanced**, the highly selective entrance examination for admission to the Indian Institutes of Technology (IITs).