

# Shivanshu Verma

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## EDUCATION

### Indian Institute of Technology Patna

Aug 2024 – Present  
Grade: 8.28

B.Tech, Chemical Engineering

### Green Field Academy

Percentage: 91.2

Class XII (2023-24)

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

Percentage: 94.2

Class X (2021-22)

## TECHNICAL SKILLS

### Programming & Algorithms:

C, C++, Java(basics), Python (basics)

Data Structures & Algorithms

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

Tools: Git, VS Code, Chrome DevTools(basics)

### Web & Frameworks:

JavaScript, React,  
HTML5, CSS3, Tailwind

## PROJECTS

### Project 1 — [CHESSx - Chemical Engineering Students Society Website — IIT Patna]

[Tech stack: React, Express.js, MongoDB, Tailwind CSS, GSAP, Joi, Axios, CORS]

**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:** Primarily focused on developing the Express.js/Node.js backend and MongoDB schema design, which included setting up API endpoints and ensuring data validation using Joi.

## EXPERIENCE

### Sub-Coordinator of CHESSx (Chemical Engineering Students Society) — IIT Patna

July 2025 – Present

- Designed/Implemented a full-stack club website using **React** (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).