SATYAM PATEL

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Education

Indian Institute of Technology, Patna	**Nov. 2022 – May 2026(expected)**
Bachelor of Technology in Computer Science	*CPI: 9.22*

Dhruva Public School, New Delhi	**June 2020 – May 2022**
Central Board of Secondary Education	*Percentage: 94.6%*

Central Hindu Boys SSS, BHU, UP	**July 2018 – May 2020**
Central Board of Secondary Education	*Percentage: 96.2%*

Accomplishments

Expert on **Codeforces** with max rating **1690**. **Profile Link**.

5 Star Coder on **Codechef** with max rating **2001**. **Profile Link**.

Showcased academic excellence by securing **Highest CPI(9.62/10.0)** in **Department of Computer Science** in Freshman Year.

Secured a global rank of **24** in **CodeChef Starters 126(Div. 2)** among **2,000+** active participants.

Secured a global rank of **56** in **CodeChef Starters 114(Div. 2)** among **1,600+** active participants.

Secured a global rank of **531** in **Codeforces Round 938(Div. 3)** among **14,500+** active participants.

Secured a global rank of **751** in **Codeforces Round 953(Div. 2)** among **13,000+** active participants.

Secured All India rank of **3348** out of more than **10** lakh candidates in **JEE Mains 2022** and **4760** out of more than **1.5** lakh candidates in **JEE Advanced 2022**.

Projects

CashLedger Android Application   **Source Code**

Language: Kotlin (with Firebase integration)
- Implemented **personal finance management system** enabling users to track borrowers, lenders, and amounts.
- Integrated Firebase authentication for secure user login experiences, incorporating **CRUD** operations for efficient data management.

Dummy Faculty Recruitment Portal   **Source Code**

Language: HTML, CSS, JS, MySQL, ReactJS, NodeJS   *[Group Project with **Krishna Purwar**]*
- The Dummy Faculty Recruitment Portal for IIT Patna is an efficient web application designed **to streamline and improve the recruitment process** for faculty positions at the Indian Institute of Technology Patna (IIT Patna).
- The portal acts as a centralized platform for **managing job postings, processing applications, and communicating with applicants** throughout the recruitment process.

CarDash Game   **Source Code**

Language: C   *ARM-DE1SoC board*
- Developed an interactive **three-track racing game** requiring players to navigate cars, evade obstacles, and score points.
- Engineered **VGA graphics rendering**, pushbutton input handling, obstacle-dodging gameplay experience.

Skills / Relevant coursework

Programming/Development Languages/Tools/Operating Systems: C/C++, MySQL, HTML, CSS, JS, familiar with Object Oriented Programming (OOPs), Github, Android Development, Windows, Linux.

Courses: Data structures and Algorithms, Discrete Mathematics, Linear Algebra, Database Management Systems, Software Lab and Tools, Theory of Computation, Computer Architecture, Probability Theory and Random Processes, Microeconomics, Macroeconomics.

Experience / Extracurricular

National Service Scheme (NSS), IIT Patna	**IIT Patna**
Volunteer	*2022 – 2023*

- Actively participated in **four cleanliness drives** in various parts of the institute.
- Taught **Maths Weekly** in a nearby **Primary School** as part of the program.

Celesta (Techno-Management Fest of IIT Patna)	**IIT Patna**
Volunteer	*2022 – 2023*

- Collaborated with cross-functional teams to brainstorm, plan, and implement events.
- Analyzed data to identify areas for improvements and enacted changes for future events.