

# Shagun Kumar Singh

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## EDUCATION

- **Indian Institute of Technology (BHU), Varanasi** 2023 - 2027  
*Bachelor of Technology, Chemical Engineering* Varanasi, India
  - CGPA: 8.35
- **Delhi Public School, Newtown** 2021 - 2023  
*Pre-University* Kolkata, India
  - Grade: 94.70%

## TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Python, Java, C/C++, HTML5, CSS3, SQL
- **Frontend Technologies:** React.js, Next.js, Tailwind CSS, Firebase, Redux, Responsive Web Design
- **Core Competencies:** Full-Stack Development, Data Structures & Algorithms, DBMS, Competitive Programming, Operating Systems, Object-Oriented Programming, Computer Network

## EXPERIENCE

- **Training & Placement Cell - Student Representative** Feb 2025 - Present  
*IIT (BHU), Varanasi* Varanasi, India
  - Coordinated recruitment drives for **1500+ students** with **200+ Companies** including **FAANG** companies
  - Led Career Development Program impacting **4000+ students** through **workshops** and **hackathons**
- **Technical Team Executive** Nov 2024 - Jan 2025  
*Jagriti- Annual Socio-Awareness Fest for Underprivileged Children* Varanasi, India
  - Developed an **interactive timeline** improving **user engagement and navigation** for **200+ attendees**
  - Optimized **sponsor visibility** by integrating **sponsor logos** to increase **brand exposure** and **digital reach**

## PROJECTS

**Tracky – Full-Stack Finance Tracker**  *React.js, Firebase, Ant Design, PapaParse, Chart.js*

- Built a **responsive dashboard** using **React**, **Tailwind** and **Firebase** to **visualize and manage** transactions
- Integrated **OAuth 2.0 authentication** with **secure route-level access control** for **multi-user access**
- Implemented **CSV import/export** via **PapaParse**, **dynamic search/filter/sort**, and **interactive charts**
- Deployed on **Vercel** with **Firestore-backed persistence**, supporting **scalability** and **low-latency access**

**OptiGrade – Academic Progress Tracker**  *React.js, Tailwind CSS, Firebase, FullCalendar.js*

- Built a **responsive academic portal** using **React**, **Tailwind**, and **Firebase** to **visualize CPI/SPI**, with **institute-restricted authentication** and **Firestore-backed persistence** for **events**, and **profile metadata**.
- Built a **Target SPI Planner** leveraging **Dynamic Programming** to simulate required **grade distributions**.
- Developed an **Academic Calendar** using **FullCalendar.js**, supporting **labeled events** and **subjects**
- Built a **global CPI leaderboard** with **privacy toggles**, **branch-based filters**, and **smart search**, with a **bi-directional social graph** for **friend requests**, **mutual visibility**, and **scoped friends-only rankings**.

## ACHIEVEMENTS

- **Competitive Programming Excellence** 2023-2025
  - **Specialist in Codeforces** (Rating: 1436) | **Global Rank 1969** in Codeforces Round 1011
  - **Max Rating 1693 in LeetCode** | **Global Rank 1293** in Weekly Contest 454
  - Solved **1000+ algorithmic problems** across platforms like [LeetCode](#), [Codeforces](#), and [GeekforGeeks](#)
- **Academic & Technical Recognition** 2023-2024
  - Selected for **Google India Student Launchpad** - an **upskilling program** for **DSA and Problem Solving**
  - **Top 1%** among **12L+ candidates** in **JEE Mains** and **Top 0.5%** in **WBJEE** among **1.2L+ candidates**
  - Selected in the **top 20%** of **20,000+ applicants** for **Stage 1** of the **AlgoUniversity Tech Fellowship Program**