





Sakshi Kumari

 [Techie-Sakshi](#)  [8423160418](#)  [Sakshi Kumari](#)  kumarisakshi273@gmail.com

EDUCATION

Indian Institute of Technology (IIT) Patna

Patna, India

(B.Tech in Chemical Engineering **CPI: 7.82** (current))

Nov 2022 - May 2026 (Expected)

S.G. Public School

Chandauli, India

(AISSCE in PCM and Information Practices conducted by CBSE. **Percentage 83.4%**) April 2018 - March 2020

PROJECTS

Seating Arrangement Generator | Python, Streamlit, Pandas, CSV/Excel File Handling | Nov. 2024 **Source Code**

- Applied advanced computer science principles to develop a massively scalable, distributed software system to manage exam seating for 9,800+ students across multiple rooms.
- Automated seating allocation, reducing manual effort by 80% and ensuring a conflict-free arrangement with high efficiency.
- Optimized updates with adjustable configurations, enabling quick modifications.
- Enhanced data handling efficiency by integrating seamless CSV/Excel file import/export.

Quiz Xplode | HTML, CSS, JavaScript, Open Trivia API, EmailJS | April 2024

Source Code

- Designed an interactive platform for users to engage in over 50 topic-based quizzes, leveraging real-time API integration.
- Improved navigation and scalability by implementing a robust search functionality and automated quiz generation.
- Envisioned user leaderboard and personalized quiz recommendations to enhance user engagement and interaction by 20%.

ACHIEVEMENTS

- Attained the Specialist rank on Codeforces (peak rating: **1477**), demonstrating strong command over data structures and algorithms for crafting optimized solutions. **Profile link**
- Secured a global rank of **1474** in **Codeforces Round 1002 (Div. 2)** among **20,000+** participants.
- Ranked in the **Top 1.2%** (407 out of 34,000 participants) in **Google Girl Hackathon 2024**, demonstrating expertise in applied research and innovative solution development.
- Secured **Rank 1** in the junior category and **Rank 14** overall out of **200+** participants in **Coderush by AlgoUniversity 2024**.
- Mentored 10+ students in **academic development** through the **Buddy4study Mentorship Program**.
- Attended 8 mentoring sessions with Microsoft professionals, enhancing leadership and teamwork skills, resulting in a 25% improvement in team discussions and presentations.
- Awarded the **Panasonic Ratti Chhatr Scholarship**, being one of 30 students selected from all IITs to represent IIT Patna. Received INR 42,500 yearly to support academic expenses. **Certificate**
- Recognized as one of the 5,000 nationwide recipients of **Reliance Foundation Undergraduate Scholarship 2022**, awarded INR 50,000 annually for academic scholarly growth. **Certificate**

CERTIFICATIONS

- Contributed to distributed systems projects during Codepeak, India's leading open-source event. **Certificate**
- Mastered Cloud Computing and distributed software concepts through Google Cloud Study Jam. **Certificate**

SKILLS

- Languages and Frameworks:** C/C++, Python, JavaScript, HTML, CSS
- Libraries and Tools:** Pandas, NumPy, Streamlit, SQL, Git, GitHub
- Concepts:** Data Structures Algorithms, Scalable Systems
- Platforms:** VS Code, Unix/Linux

COURSEWORK

- Core Courses:** Programming & Data Structure, Data Science Introduction, Introduction to Python Programming
- Mathematics:** Linear Algebra, ODE & PDE, Elementary Analysis, Real Analysis, Complex Analysis