

Sakshi Kumari

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EDUCATION

Indian Institute of Technology (IIT) Patna

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

Patna, India

Nov 2022 - May 2026 (Expected)

S.G. Public School

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

Chandauli, India

PROJECTS

Time Capsule Web App | *Next.js, Firebase, Cloudinary, EmailJS* | May 2025

Website

- Engineered a full-stack app enabling users to create and schedule 50+ multimedia capsules, with real-time unlock via countdown timers.
- Configured Firebase Auth & Firestore to manage login and dynamic capsule rendering with up to 3 file types per entry.
- Automated 100% of email reminders on unlock using EmailJS with conditional triggers and secured .env deployment on Vercel.

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

- Google Student Upskilling Program** – Certificate of Completion for a curated training in coding, problem-solving, and SDE career preparation, 2025 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