

KANISHK SINGHAL

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Education

Indian Institute Of Technology Patna
B.Tech in Electrical & Electronics Engineering

November 2022 - May 2026
8.41/10 CGPA

Projects

ShortyUrl

[Source Code](#) | [Website](#)

- Engineered a fully functional application to manage and shorten URLs, using **React**, **TailwindCSS**, **Supabase**, and **Shadcn UI** resulting in a seamless user experience with 100% successful user authentication.
- Incorporated advanced features including **QR code** generation for each shortened URL and click tracking with detailed analytics on user interactions and geographic locations.
- Optimized user experience by leveraging **real-time data insights**, providing comprehensive statistics on URL usage, and ensuring 99% uptime for secure link management.

Quick News

[Source Code](#) | [Website](#)

- Built a React application delivering real-time news across **8 distinct** categories using the **G News API**.
- Utilized **Axios** for efficient **HTTP requests**, facilitating seamless interaction with external APIs and data integration.
- Designed a responsive interface and enabled **real-time updates** to enhance user experience and engagement with **live news content**.

Technical Skills/Relevant Coursework

Languages: Python, C++, C, JavaScript

Development: Node.js, Express.js, React, TailwindCSS, HTML, CSS, Bootstrap, VS Code, GitHub, OpenCV, SQL, Scikit-Learn, TensorFlow, keras, Django, Streamlit

Clouds & Databases: AWS, MongoDB

Relevant Courses: Introduction To Data Science(CS-244), Programming And Data Structures(CS-102), Probabaility And Random Processes(MA-225), Python Programming(CS-384), Digital Circuits & Microprocessor(EE-201)

Algorithmic Competitions/Achievements

- Secured a Gold medal among 22 IITs at Inter IIT Tech Meet 12 in Jaguar Land Rover's high-prep problem statement, demonstrating effective and creative solutions. **Certificate**
- Achieved a **3 Star** rating on Codechef **kanishks281** with maximum rating of 1731.
- Attained **Specialist** rank on Codeforces **Blast4** with a peak rating of 1456.
- Earned a Global Rank of **350** among 2,200+ active participants in **Codechef** Starter 140 (Div-2).
- Secured a Global Rank of **119** among 4,000+ active participants in **Codechef** Starter 139 (Div-3).
- Secured a Global Rank of **2317** among 30,000+ active participants in **Codeforces** Round 924 (Div-2).
- Secured a Global Rank of **2523** among 24,500+ active participants in **Codeforces** Round 936 (Div-2).
- Qualified **RMO 2019**, demonstrating advanced mathematical and analytical abilities.

Extra Curricular Activities

Celesta IIT Patna

May 2023 – Present

Coordinator & Sub-Coordinator

- Guided sub-coordinators in learning web development technologies and leading the creation of a scalable fest website for a **2000+ user base**, focusing on innovative design, infrastructure solutions, and low-latency performance, while implementing effective risk management strategies.

E-cell IIT Patna

March 2023 – January 2024

Sub-Coordinator

- Organized and led 2 events for 100+ juniors to foster **entrepreneurial** spirit, while developing the **frontend** of the E-Cell website, focused on market-driven and finance-oriented solutions.

Inter IIT Tech Team

October 2023 – December 2023

Member

- Collaborated with a team of 8 members on a complex problem statement, improving **teamwork**, **communication**, and **analytical skills**, leading to a Gold medal finish among 22 IITs.