

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

Technical Skills/Relevant Coursework

Languages & Tools: Python, C++, C, JavaScript, VS Code, GitHub, Jupyter Notebook

Frameworks & Libraries: Node.js, Express.js, React, Tailwind CSS, HTML, CSS, Bootstrap, Open CV, 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), Probability And Random Processes(MA-225), Python Programming(CS-384), Digital Circuits & Microprocessor(EE-201)

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**.

Resume Matcher

[Source Code](#)

- Built and deployed a job description and resume matching system using **Python**, **Flask**, and **Scikit-learn**, training the model on **15 resumes** spanning multiple job roles, which led to a measurable improvement in matching accuracy.
- Implemented automated **text extraction** from various resume formats (**PDF**, **DOCX**, **TXT**), processing up to **50 resumes** per session, and applied **TF-IDF vectorization** for text comparison, optimizing the system's matching performance.
- Designed a responsive, user-friendly interface using **Bootstrap** for recruiters to input job descriptions and upload resumes, enabling **real-time** processing and display of **similarity scores** for top candidates.

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

Coordinator & Sub-Coordinator(Celesta IIT Patna) : Led sub-coordinators in web development and building a scalable fest website for 2000+ users, focusing on design, infrastructure, and risk management.

Sub-Coordinator(E-cell IIT Patna) : Organized and led 2 events for 100+ juniors to promote entrepreneurship and developed the frontend of the E-Cell website with a focus on market-driven solutions.

Inter IIT Tech Team : Worked with 8 team members on a complex problem, enhancing teamwork, communication, and analytical skills, resulting in a Gold medal among 22 IITs.