UMANG SRIVASTAVA

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Summary

B.Tech **Electrical and Electronics Engineering** student with strong skills in **Java, Data Structures & Algorithms** and **full-stack web development** using the **MERN stack**. Proficient in **REST API development, PostgreSQL, and modern cloud tools**. Passionate about building scalable, user-centric applications and leading teams to deliver innovative solutions.

Technical Skills

Programming: Java, C, JavaScript, SQL, OOP
Web Development: React.js, Redux Toolkit, TailwindCSS, HTML, CSS
Backend & APIs: Node.js, Express.js, REST API development
Databases: MongoDB, PostgreSQL
Tools: Git, Postman, JWT, Cloudinary, ImageKit, Clerk, Stripe, Neon Database
Coursework: Database Management Systems, Operating Systems

Education

Birla Institute of Technology, Mesra, Ranchi	2023 – 2027
B.Tech in Electrical and Electronics Engineering	**8.71/10 CGPA**
Chinmaya Vidyalaya, Bokaro	2022
CBSE (Class XII)	**91.8%**
S.P Public School, Bokaro	2021
CBSE (Class X)	**95.8%**

Experience & Projects

Leo Club Website | Dynamic Event & Initiative Platform — **Link**

- Architected and deployed a dynamic platform showcasing events, initiatives, and impact of the LEO Club using **React**, **Express**, **MongoDB** and **Node**.
- Developed an **admin portal** to dynamically create, update, and manage events, initiatives, and site content, with authentication using **JSON Web Tokens (JWT)** and **ImageKit** for efficient image storage.
- Managed **1,000+ student registrations** and integrated **live voting functionality**.
- Implemented **scroll-triggered animations and parallax effects** using GSAP & Framer Motion.
- Collaborated in an Agile team with bi-weekly sprints, using **Git** for version control and code reviews.

Online Book Listing & Review Platform | MERN-Based Intelligent Recommendation System — **Link**

- Built a full-stack platform for book discovery, reviews, and ratings with secure role-based access control.
- Integrated **Clerk authentication** for user management, session handling, and protected routes.
- Implemented an **interaction-based recommendation system** leveraging user clicks, ratings, and reading history.
- Integrated **sentiment analysis on user comments** to dynamically update book ratings and review insights.
- Leveraged the **Google Gemini API** to automate book description generation, improving content quality and consistency.
- Designed scalable **REST APIs** using **Node.js** and **Express**, with **MongoDB** for real-time data processing.

MoocMate | Quiz & Practice Platform for College Students — **Link**

- Developed a responsive quiz and practice platform used by **1,000+ students** with **8,000+ page views**.
- Built a modern frontend using **React** with **Vite** for fast builds and optimized performance.
- Implemented state management using **Redux** to handle quizzes, progress tracking, and user interactions.
- Post-Exam Analytics including accuracy insights, topic-wise score breakdown, and improvement suggestions.
- Designed a clean, accessible UI with **Tailwind CSS**, ensuring responsiveness across devices.

Awards & Leadership

- Recipient of the **G.P. Birla Scholarship** (2023) for academic excellence and holistic merit.
- Elected **General Secretary**, **LEO Club, BIT Mesra**; led initiatives, and managed teams.
- **Smart India Hackathon (SIH'24)** Qualifier; presented solutions to academic and industry experts.
- **ECLearnix Hackathon** Finalist (Round 3); co-developed and presented an innovative solution.

Interests

- **Algorithmic Problem-Solving**: Solved **600+ DSA challenges** on competitive programming platforms like LeetCode and GeeksforGeeks.
- **Leadership & Execution**: A strong interest in leading teams to effectively execute plans and achieve goals.