Rishi Raj

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Education

Guru Tegh Bahadur Institute of Technology, GGSIPU **2022 – 2026**
B.Tech - Information Technology - ***CGPA: 8.91*** *Rajouri Garden, New Delhi*

Experience

Times of India **July 2026 – Present**
Technical Product Consultant *Noida · Hybrid*

TOI Auto **July 2026**
- Revamped and relaunched **TOI Auto** through product planning, feature definition, and a **car data pipeline** for structured vehicle data.
- Supported the transition from POC to production with targeted code contributions to the repository alongside product and technical work.

Times AIQ **August 2026**
- Created the **Times AIQ** web project and led product calls, feature definition, and the **AIQ Tools** data pipeline.
- Owned production code for the complete **AIQ Tools** section while combining **quality control and development** to deliver features.

Times of India **June 2025 – June 2026**
Technical Product Intern *Noida · Hybrid*

Bihar Election Simulation | Live Link **Nov 2025**
- **Tech Stack**: Next.js, Jenkins, Kubernetes, Docker, GenAI, Web Scraping
- Co-developed an automated election simulation platform with a **custom web scraper** and **LLM**-generated gameplay; scaled it to **11,000 peak concurrent users** and **3x** average session duration.

TOI Budget Simulation | Live Link **Jan 2026**
- **Tech Stack**: React SSR, Kubernetes, Jenkins, Docker, GenAI
- Led the **solo development** of an interactive Union Budget simulation using **React SSR**, **GenAI**, and **Jenkins/Docker** for rapid deployment.
- Achieved **17,000 unique users** and a robust **11% replay funnel**, demonstrating high user retention.

Product Engineering & AI Initiatives **June 2025 – June 2026**
- Built **backend + AI data pipelines** with daily **cron updates** for **Defence HQ – War Room** and an automated **opinionated news feed**.
- Drove **AI-led product initiatives** by identifying use cases, rapidly prototyping POCs, and implementing production-ready workflows across news and games.
- Awarded **Runner-Up** in the **Times Internet AI-Innovation Challenge** for excellence in generative news media.

Achievements

Rising Star Award **14 May 2026**
- Recognized for high-impact contributions to simulation projects and AI initiatives at Times of India.

Projects

LeafLens-AI | Live Link | GitHub **Apr 2025**
- **Tech Stack**: React.js, Tailwind CSS, GCP, Gemini API, Node.js, Express.js
- Developed a React frontend with Multer-based image handling; migrated model hosting to **GCP** for real-time inference across **38+ plant diseases** with **around 70% accuracy**.
- Architected a backend pipeline using **JSON inference data** and **Gemini API** to generate localized treatment plans, reducing diagnosis time by **40%**.

Musicality | GitHub **Jan 2025**
- **Tech Stack**: Kotlin, Jetpack Compose, Media3, ExoPlayer
- Built a high-performance music app using **Jetpack Compose**, declarative UI patterns, and **Media3/ExoPlayer** for background audio.
- Reverse-engineered network traffic via **Charles Proxy** to extract YouTube Music metadata.

Technical Skills

Languages: C/C++, JavaScript, Python, Kotlin
IT Constructs: Data Structures and Algorithms, OOPS, DBMS, Generative AI
Product Management: Product Analysis, Competitor Analysis, Data Analysis, Data Scraping and Cleanup, Automation Pipelines, ASO
Web Development: NodeJS, ExpressJS, MongoDB, SQL, ReactJS, Next.js
Tools: Jenkins, Docker, Kubernetes, Git, Vercel, Postman, Figma, JIRA