

# RISHI RAJ

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## Education

**Guru Tegh Bahadur Institute of Technology, GGSIPU**  
*B.Tech - Information Technology - CGPA: 8.91*

2022 – 2026

Rajouri Garden, New Delhi

## Experience

**Times of India** June 2025 – Present  
*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; engineered a **custom web scraper** and integrated **LLMs** for gameplay generation.
- Awarded **Runner-Up** in the **Times Internet AI-Innovation Challenge** for excellence in generative news media.
- Scaled to handle **11,000 peak concurrent users**, achieving **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 utilizing **React SSR** for optimized performance.
- Leveraged **GenAI** workflows to accelerate asset creation, ensuring rapid deployment via **Jenkins/Docker** pipelines.
- Achieved **17,000 unique users** and a robust **11% replay funnel**, demonstrating high user retention.

### Product Engineering & AI Initiatives

June 2025 – Present

- Managed **end-to-end lifecycle** of bite-sized games from conceptualization to **POC** using **Kotlin** and **React**.
- Developed automated **Python scripts** for game data generation, synthesizing complex datasets into interactive mechanics.
- Architected an **AI-driven Podcast engine** leveraging **sports data** to transform raw statistics into narrative audio summaries.

## Projects

**LeafLens-AI** | [Live Link](#) | [GitHub](#) Apr 2025

- **Tech Stack:** React.js, Tailwind CSS, Google Cloud Platform (GCP), Gemini API, Node.js, Express.js
- Developed a React frontend with Multer-based image handling; migrated model hosting to **Google Cloud Platform** to provide real-time inference for **38+ plant diseases** with **around 70% accuracy**.
- Architected a backend pipeline to consume **JSON-based inference data** and integrated the **Gemini API** to generate localized treatment plans, reducing diagnosis time by **40%**.

**Musicality** | [GitHub](#) Jan 2025

- **Tech Stack:** Kotlin, Jetpack Compose
- Built a high-performance music app using **Jetpack Compose** and declarative UI patterns.
- Engineered a playback system leveraging **Media3** and **ExoPlayer** for background audio and offline management.
- 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

**Web Development:** HTML5, CSS3, NodeJS, ExpressJS, MongoDB, SQL, ReactJS, Next.js

**Tools:** Jenkins, Docker, Kubernetes, Git, Vercel, Postman, Figma