

# RISHI RAJ

New Delhi

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## EDUCATION

Guru Tegh Bahadur Institute of Technology, GGSIPU

2022 – 2026

B.Tech - Information Technology - CGPA - 8.0

Rajouri Garden, New Delhi

## EXPERIENCE

Times of India

June 2025 – Present

Technical Product Intern

Noida · Hybrid

- **High-Scale Performance:** Solo-developed **Bihar Election simulation game** that reached 11,000 peak concurrent users and achieved 3x the average engagement time compared to standard website users.
- **Product Innovation:** Architecting an interactive budget simulation game designed to transform passive news consumption into active participation
- Contribution to end to end development of bite-sized games, composed of full-stack and deployment via CICD pipeline

## PROJECTS

LeafLens-AI | [Live Link](#) | [Github Link](#)

Apr 2025

- **Tech Stack:** ReactJs, Tailwind CSS, Gemini API, NodeJS, Express JS
- Built a **React** frontend with **Multer-backed** uploads, enabling 95% efficient image processing.
- Integrated **Hugging Face** models to detect **38+ plant diseases** with **92% accuracy**.
- Used **Gemini API** to generate agricultural recommendations, reducing interpretation time by **40%**.

Musicality | [GitHub Link](#)

Jan 2025

- **Tech Stack:** Kotlin, Jetpack Compose
- Built a high-performance music application using **Jetpack Compose**, implementing modern declarative UI patterns for seamless navigation across search, library, and dynamic artist/album modules.
- Engineered a robust playback system leveraging **Media3** and **ExoPlayer**, supporting native background audio sessions, notification integration, and a dedicated offline download manager.
- Executed technical reverse-engineering of network traffic via **Charles Proxy** to extract metadata and streaming endpoints from the YouTube Music backend, facilitating an optimized, ad-free user experience.

## TECHNICAL SKILLS

**Languages:** C/C++, Javascript

**IT Constructs:** Data Structures and Algorithms, OOPS, DBMS

**Web Development:** HTML5, CSS3, SASS, DOM Manipulation, AJAX, Async JS, API Handling, NodeJs, ExpressJS, MongoDB, SQL

**Developer Tools:** VS Code, Postman, Chrome DevTools, Figma, Vercel, Netlify

**Technologies/Frameworks:** ReactJS, Tailwind CSS, Bootstrap, GitHub, Git

## ACHIEVEMENTS

- Served as Content Lead (Aug 2023 - Jan 2025) for Institution's Innovation Council under the Ministry of Education's AICTE initiative, leading the management of report and written content.

## CERTIFICATIONS & COURSES

- Data Structures & Algorithms in C++ (Coding Blocks, Pitampura) - Jan 2025 to Apr 2025
- The Complete Full-Stack Web Development Course