

# RAJSHEKHAR BAL

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## EDUCATION

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- **RCC Institute of Information Technology (RCCIIT)** **Kolkata, WB, India**  
*Bachelor in Technology (Computer Science and Engineering); CGPA:7.23* *October 2022-June 2026*

## SKILLS SUMMARY

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- **PROGRAMMING LANGUAGE:** Java, C, C++, Python, SQL
- **FRAMEWORKS LIBRARIES:** HTML5, CSS3
- **TOOLS PLATFORMS:** Visual Studio Code, GitHub, Oracle Live SQL, LucidChart, Android Studio
- **DATABASES:** MongoDB
- **CLOUD DEPLOYMENT:** Netlify, Vercel

## EXPERTISE IN LANGUAGES

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- **HINDI:** Proficient in Speaking and Writing both.
- **BENGALI:** Proficient in Speaking and Writing both.
- **ENGLISH:** Proficient in Speaking and Writing both.

## PROJECTS

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- **AI DOCTOR: An AI Chatbot Medical Assistance System, Roles: Backend Development, Database Integration, and Deployment** – Developed a **Medicine Successive Interactive Artificial Intelligence** which was used to provide the information of the require medicine for a patient if the details of the disease has been given to it. It was developed using **Python** and **JS** which ensures smooth navigation and an intuitive user experience – accessing the require medicine details and finding alternatives of that with its current cost in the market.
- **FinTranck: A financial tracking system, Roles: Backend Development-** Developed a Finance based calculation System which is purposely designed to work like Banking System. **Role: Backend development-** Designed and Implemented a banking-inspired financial calculation system. Enabled users to manage transactions and view summaries. **Built with- Python and SQL** for backend processing.
- **VISION-SUPERVISED RADIOLOGY REPORT GENERATION:** It is used to automatically generate radiology reports from various medical images, leveraging both visual and textual data to improve the accuracy and efficiency. **Roles – Research and AI Developer, Database Gathering & Testing.** Developed an AI-based system to generate radiology reports from **supervised learning**. Integrated image analysis with **NLP pipelines** to produce structured and human-readable diagnostic reports. **Technologies used- Python, TensorFlow, NLP libraries.**

## HONOURS / ACHIEVEMENTS

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- **Participated: EY Techathon 5.0** by Unstop Igniters, **Smart Bengal Hackathon**-Government of West Bengal Initiative, **All India Hackathon Competition.**
- **Member and Mentored, Unstop Igniters Club RCCIIT: Unstop Igniters Club RCCIIT**, 1100+members, mentored 50+ students in person, organizing coding competitions and tech sessions (Total 15+ Events).

