

# Rudra Narayan Mondal

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## Professional Summary

B.Tech Computer Science student with hands-on experience in full-stack and AI-enabled applications. Skilled in building scalable web solutions using React, Node.js, and REST APIs, with exposure to NLP-based sentiment analysis. Strong team collaborator with hackathon experience, seeking technology consulting or software roles.

## Academic Projects

- **Bloom AI** – GitHub, Live  
Full-stack chatbot built using Next.js, Clerk, MongoDB, Tailwind. Features include QR login, webhook syncing, sidebar layout, tooltipsBackend intrigation under processing.
- **Jarvis Ai bot** – GitHub ,live  
Developed a MERN-based voice assistant to enable hands-free user interaction, integrating speech-to-text and AI-generated responses using GPT-3.5, Deepgram, and ElevenLabs. Improved user accessibility and response automation through real-time voice processing.
- **TechnoThon Project – Travel and Tourism** – GitHub, Live  
Tourist travel portal created using HTML,CSS,JS.
- **Minor Mart Website** – GitHub, Live  
Responsive e-commerce front-end focused on UI/UX.
- **Football Sentiment Tracker**  
Built using Flask, Twitter API, Transformers, Redis, Celery, Chart.js. Fetches football tweets, analyzes sentiments via NLP. Background tasks via Celery and Redis; visualization via Chart.js.

## Skills Summary

- **Programming:** Python, JavaScript, C++, SQL
- **Web Technologies:** React, Next.js, Node.js, REST APIs
- **Databases:** MongoDB, MySQL
- **AI / Analytics:** NLP, Sentiment Analysis, Transformers
- **Tools ' Platforms:** Git, Linux, Vercel, Render, IBM Cloud

## Education

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| • <b>Techno India University</b> , Kolkata, India<br>B.Tech in CSE                                   | Nov 2023 – June 2026  |
| • <b>Sheikhpara ARM Polytechnic</b> , Murshidabad, India<br>Diploma in Computer Software Engineering | Sept 2020 – June 2023 |
| • <b>NIOS (Netaji Subhas DAV)</b> , Murshidabad, India<br>Senior Secondary Education                 | July 2021 – June 2022 |
| • <b>Iswar Chandra Institution (WBBSE)</b><br>Secondary Education                                    | Feb 2013 – Feb 2020   |

## Certifications

- **JavaScript Algorithms and Data Structures** – freeCodeCamp (2025)
- **Industrial Training Certificate** – Ardent Computech Pvt. Ltd. (2022)

## Extra-Curricular Achievements

- **Hackathon Participant** – TechnoThon  
(June 2024)  
Collaborated with a team to design and develop Travel and Tourism website under time constraints.
- **Lead, Chitrakatha** – Official Film Society of TIU  
(Apr 2025 – Present)
- **Coordinator, Chitraka** – Official Photography Club of TIU  
(Apr 2024 – Present)
- **Member, Vivarta** – Technical Club of TIU  
(Apr 2025 – Present)