

BIRAJ SARKAR

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Portfolio: portfolio-khaki-seven-34.vercel.app

EDUCATION

- **Indian Institute of Technology Guwahati** July. 2023 – May. 2027 (Expected)
Bachelor of Technology in Computer Science and Engineering; CPI: 6.69 Guwahati, India
- **Jawahar Navodaya Vidyalaya** 2022
Central Board of Secondary Education (Class XII); Percentage: 89.20 North 24 Pargana, W.B

KEY COURSES TAKEN

- **Computer Science:** Data Structures & Algorithms, Database Management Systems, Computer Organization and Architecture, Operating Systems, Computer Networks
 - **Mathematics:** Linear Algebra, Probability & Random Processes
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- **Programming Languages:** Python, C/C++, JavaScript
 - **Web Technologies:** HTML, CSS, React.js, Tailwind CSS, Node.js
 - **Database management:** MySQL, MongoDB
 - **Developer Tools:** Git, GitHub, VS Code
 - **Core Competencies:** Data Structures, Algorithms, OOP, Machine Learning fundamentals, Problem Solving, Backtracking

PROJECTS

- **ZCoder - Collaborative Coding Platform** May 2025 - June 2025
React, Node.js, WebSockets Github
 - Developed a real-time collaborative coding platform enabling multiple users to code simultaneously with live synchronization.
 - Implemented code execution feature supporting JavaScript, C++, C, and Python with secure sandboxed environments.
 - Designed responsive UI with React and integrated WebSocket connections for seamless real-time collaboration.
 - Built RESTful APIs using Node.js and Express for user authentication and session management.
- **AppwriteBlog - Blogging Platform** Dec 2025
React, Appwrite, Tailwind CSS Github
 - Developed a modern blogging platform using Appwrite BaaS for authentication, database, and file storage.
 - Implemented rich-text editor, image uploads, user profiles, post management, and comments.
 - Designed a clean, responsive UI using Tailwind CSS following modern UX principles.
- **Snake Game** Dec 2025 - Jan 2026
HTML, CSS, JavaScript Github
 - Developed a classic snake game with smooth animations, collision detection, and score tracking.
 - Implemented responsive controls and optimized game loop logic for consistent performance.

CODING PROFILES

- **LeetCode:** BirajS | Solved 250+ problems
- **Codeforces:** B_Sarkar | Highest Rating: 1255
- **GeeksforGeeks:** Biraj Sarkar | Solved 80+ problems

EXTRA-CURRICULARS

- **Gold Medal in Kho-Kho**, Spardha (Annual Sports Festival), IIT GUWAHATI 2024
- **Bronze Medal in Kho-Kho**, Spardha, IIT GUWAHATI 2025
- **Silver Medal in LPL**, Lohit (Hostel Championship), IIT GUWAHATI 2025
- **3rd Prize in Republic Day Parade**, IIT GUWAHATI 2024

ACHIEVEMENTS & CERTIFICATIONS

- **JEE Advance 2023**: Secured AIR 5270 (Top 4%) 2023
 - **JEE Mains 2023**: Secured AIR 19560 among 1.16 million candidates appearing for the test. 2023
 - **Machine Learning Specialization**: Completed certification from Coursera. 2026
 - **NMO Gold Medal**: Got Gold Medal with 93% marks in NMO Intermediate. 2020
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