

ARITRA KUMAR

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EDUCATION

Bachelor of Engg. in Information Technology - Jadavpur University, Kolkata

📅 Aug 2021 - June 2025

- CGPA: 8.6/10

TECHNICAL SKILLS

- **Programming Languages:** C++, Java, JavaScript, SQL.
- **Frontend Technologies:** HTML, CSS, Bootstrap, Tailwind CSS, Vanilla JS, React.js, Redux-Toolkit.
- **Backend Technologies:** Node.js, Express.js, REST API, JWT, Socket.io, Mongoose ODM.
- **Databases:** MongoDB, MySQL, Oracle DB.
- **Version Control & Collaboration:** Git & GitHub.
- **Dev & Deploy Tools:** Postman, Docker, Kubernetes, Vercel, Netlify, Render, Heroku.
- **CS Fundamentals:** Operating System (**OS**), Database Management Systems (**DBMS**), Object Oriented Programming (**OOP**), Data Structures and Algorithms (**DSA**), Computer Networks (**CN**).

PROJECTS

DriveShare - A Google Drive Utility | **React.js, React-OAuth, Node.js, Express.js, MongoDB**

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- Implemented Google OAuth2.0 for secure user authentication.
- Enabled creation of multiple Google Drive upload targets using folder-specific IDs.
- Allowed anonymous file uploads via shared links, mapped to Drive folders without requiring accounts.
- Designed admin controls for managing and revoking upload target access.

Blogger - A Blogging Platform for Writers | **React.js, Redux-Toolkit, Node.js, Express.js, MongoDB**

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- Built user authentication with JWT-based cookies.
- Developed functionality to create, search, and post articles seamlessly.
- Enabled profile views with a post list and follow/unfollow capabilities.
- Delivered personalized feeds based on followed user activity.

CodeSync - A Realtime Collaborative Code Editor | **React.js, Node.js, Express.js, Socket.io**

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- Created real-time collaborative code editing rooms with Socket.io.
- Supported room creation, joining, and leaving with instant notifications.
- Enabled auto-synchronization of code edits across all participants in real time.
- Displayed connected members with typing indicators for improved collaboration.

InShare - A File Sharing Platform | **Tailwind CSS, Vanilla JS, Node.js, Express.js, MongoDB**

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- Developed a platform for large file uploads without user authentication.
- Enabled link-based sharing for file downloads by remote users.
- Integrated optional email notifications for download link delivery.
- Implemented 24-hour link expiration for enhanced security.

POSITION OF RESPONSIBILITY

- **Mentor of Jadavpur University's Code Club (JUCC)**

As a core member of JUCC, I help organize sessions on Data Structures & Algorithms and occasionally set up fun coding contests and hackathons to make learning more interactive and collaborative.