

# ARITRA KUMAR

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## EDUCATION

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- Bachelor of Engg. in Information Technology - Jadavpur University, Kolkata** 📅 Aug 2022 - May 2025
- CGPA: 8.6/10
- Diploma in Electrical Engg. - North Calcutta Polytechnic, WBSCTE, Kolkata** 📅 Aug 2019 - May 2022
- CGPA: 9.6/10

## SKILLS

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- **Programming Languages:** C, C++, Java, JavaScript.
- **Frontend:** HTML, CSS, Bootstrap, Tailwind CSS, Vanilla JS, **React.js**, Context API, **Redux-Toolkit**.
- **Backend:** **Node.js**, **Express.js**, **REST API**, Socket.io, Mongoose.
- **Databases:** MongoDB, MySQL.
- **Dev Tools:** Git & GitHub, Docker, Postman.
- **CS Fundamentals:** Operating System (**OS**), Database Management Systems (**DBMS**), Object Oriented Programming (**OOP**), Data Structures and Algorithms (**DSA**), Computer Networks (**CN**).

## PROJECTS

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### DriveShare - A Google Drive Utility [GitHub](#)

- **Features:** User authentication with Google **OAuth2.0**, create file upload targets using Drive folder IDs, allow uploads via shared links without a Google account also manage & revoke access of drive-upload targets.
- **Tech Stack:** React.js, Redux-Toolkit, Node.js, Express.js, MongoDB, **React-OAuth**, Google OAuth Library & APIs.

### Blogger - A Place for Writer [GitHub](#)

- **Features:** Sign up/log in, post and share articles, follow/unfollow users, personalized feed from followed users.
- **Tech Stack:** Tailwind CSS, React.js, Redux-Toolkit, Node.js, Express.js, MongoDB, **JWT Auth**.

### CodeSync - A Realtime Collaborative Code Editor [GitHub](#)

- **Features:** Realtime collaborative code editor, Create/Join/Leave any code editor room with room ID.
- **Tech Stack:** **Tailwind CSS**, React.js, Node.js, Express.js, Socket.io.

### InShare - A File Sharing App [GitHub](#)

- **Features:** Remote file sharing up to 2GB, email notifications to receiver with download link, 24-hour link expiration.
- **Tech Stack:** HTML, CSS, Vanilla JS, Node.js, Express.js, MongoDB, **Cron Job (Task Scheduler)**.

### FunChat - A Realtime Chat Room [GitHub](#)

- **Features:** Live chat room based on WebSocket protocol using Socket.io with "typing" indicators using debounce.
- **Tech Stack:** HTML, CSS, Vanilla JS, Node.js, Express.js, **Socket.io**.

## CODING PROFILES

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- Solved 400+ **DSA** Problems on **LeetCode**. [LeetCode](#)
- Solved 120+ **DSA** Problems on **GeeksforGeeks**. [GeeksforGeeks](#)
- Solved 100+ **DSA** Problems on **CodeForces**. [CodeForces](#)

## POSITION OF RESPONSIBILITY

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- **Mentor** of Jadavpur University Code Club (**JUCC**).
- **Member** of Google Developer Student Club (**GDSC**).
- **Member** of JU Association for Computing Machinery Student Chapter (**ACM**).