

# CHITRANKU SARKAR

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## EDUCATION

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### Master of Computer Application

October 2024 - July 2026

Jadavpur University

CGPA: 7.9 / 10

### Bachelor of Science (Hons.) in Computer Science

October 2021 - August 2024

Barrackpore Rastraguru Surendranath College

CGPA: 9.87 / 10

## TECHNICAL STRENGTHS

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Coursework	OOP, DSA, Operating Systems, Computer Network, DBMS
Programming Languages	C, C++, Java, MySQL
Web Development	HTML, CSS, JavaScript, React.js, Express.js, MongoDB
Tools & Software	Git, GitHub, Postman

## PROJECTS

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### GUPSHUP - Your Personalized Chat App

[\[ Live \]](#) [\[ GitHub \]](#)

*React.js, Redux Toolkit, Express.js, Socket.IO, MongoDB*

- Developed a real-time chat app with secure JWT authentication, supporting 1-on-1 messaging and a responsive UI.
- Integrated 100% real-time communication with Socket.IO, including read receipts and user online status.
- Achieved smooth UX with 3+ UI features: chat grouping by date, infinite scroll, and typing status.
- Managed global state across 10+ components using Redux Toolkit for efficient state updates.

### Aptitude Prep - Online Aptitude & Reasoning Preparation Portal

[\[ Live \]](#) [\[ GitHub \]](#)

*React.js, HTML, CSS, JavaScript, JSON*

- Developed a minimalist React web application for aptitude test preparation, featuring curated YouTube playlists, educational articles, and previous year papers
- Implemented modular, responsive UI components and integrated JSON-based data sources for dynamic content rendering.

### Stock Market forecasting using LSTM Model [B.Sc. Group Project]

[\[ GitHub \]](#)

*Python, pandas, tensorflow, scikit-learn, numpy, matplotlib*

- Preprocessed real-world stock market data from TESLA for time series analysis and developed a predictive model to forecast closing prices.
- Developed an LSTM-based model to predict stock closing prices using time series analysis.
- Achieved accurate 75.25 % of the stock price forecasting by implementing deep learning techniques.

## ACADEMIC ACHIEVEMENTS & EXTRA CURRICULAR ACTIVITIES

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- Ranked 16th in WB-JECA 2024 (A state level MCA entrance test).
- Achieved University Rank 2 (B.Sc.).
- Serving as the Placement Coordinator for JU-MCA Batch 2024 - 2026

## CODING PROFILES & CERTIFICATIONS

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- [Solved 200+ Problems on Leetcode](#)
- [Newbie on Codeforces](#)
- [HackerRank Problem Solving](#)
- [HackerRank SQL](#)