

# Aritra Dutta

aritradutta049@gmail.com | +91 6295699190  
LinkedIn | Twitter

## EDUCATION

### WBTU

#### B.TECH IN ECE

June 2024 | Kolkata, WB  
College of Engineering  
CGPA : 8.79

### WBCHSE

Higher Secondary(XII) | Kirnagar, WB  
Percentage : 92%

### WBBSE

Secondary (X) | Kirnagar, WB  
Percentage : 90.30%

## LINKS

Github:// [Aritradutta2002](#)  
LinkedIn:// [aritra-dutta-rick20](#)  
LeetCode:// [ari2002](#)  
CSes:// [aritradutta2002](#)  
Codeforces:// [aritradutta2001](#)

## COURSEWORK

### UNDERGRADUATE

Machine Learning  
Open Source Software Engineering  
Computer Networking  
Data Structure & Algorithms  
Operating Systems  
Database Management

## SKILLS

### PROGRAMMING

Over 2000 lines:

Core Java • JavaScript • Spring • Spring Boot • Maven • JUnit • Angular • TypeScript(TS) • PostgreSQL • C++ • OOPS • CSS • MySQL • RDBMS • React

Over 1000 lines:

• Git & Github • Data Structure & Algorithms • HTML • Python • AWS • Linux/UNIX OS • Docker • PostgreSQL • Operating System • Networking

## ACHIEVEMENT

- **350+ Problems** on **LeetCode**, Top **18%** globally
- **Ranked 3556** (Weekly 414) globally on **LeetCode**
- **100+ Problems** on **CSes** Problem Sheet
- Please follow **GitHub** for some of my works.

## EXPERIENCE

### TATA CONSULTANCY SERVICES | ASSISTANT SYSTEM ENGINEER

November 2024 - Present | Bhubaneswar, IN

- **Full Stack Java Developer:** Full Stack Java Developer: Currently contributing to an internal TCS project aimed at enhancing the Ultimatrix platform. Working on the Patent module of the IP Rights Management System Project, proficiently utilizing technologies such as **Angular**, **Spring**, **Spring Boot**, **Advanced Java**, **TypeScript**, and **React** for front-end and back-end development.

### TATA CONSULTANCY SERVICES | ILP TRAINING

September 2024 - November 2024 | Trivandrum, IN

- **Training at ITIS Technology:** Built a robust foundation in Windows and Unix systems, with comprehensive knowledge of Computer Networking and Advanced Networking principles. Enhanced business acumen and soft skills, including communication, teamwork, and problem-solving.: Developed a strong foundation in **Windows** and **Unix** systems, along with in-depth knowledge of **Computer Networking** and **Advanced Networking principles**. Additionally, enhanced business acumen and soft skills, including communication, teamwork, and problem-solving.

## PROJECTS

### ALGORITHM VISUALIZER | HTML, CSS, JAVASCRIPT

[Link to Project](#)

- Developed a platform for visualizing sorting algorithms (Bubble Sort, Merge Sort, Quick Sort, Insertion Sort).
- Created dynamic and interactive visualizations using HTML, CSS, and JavaScript.
- Utilized HTML, CSS, and JavaScript to create dynamic and interactive visualizations.

### WORK MANAGEMENT SYSTEM | ANGULAR, TYPESCRIPT, CSS

[Link to Project](#)

- Developed a visualization tool for Workflow Management
- Implemented the Personwise their pending Task and Management their tasks.
- Utilized Angular & HTML for Frontend processing and TypeScript for creating interactive visualizations.
- Added Task Feature is also there. For user friendly visualisation there time and date buttons are also there.

### CHATGPT CLONE | STREAMLIT IN PYTHON

[Link to Project](#)

- A simple and clean web interface powered by Streamlit for users to interact with the chatbot.
- User can type queries and receive instant responses from the GPT-4 model.
- Option to customize temperature, max tokens, and other parameters for fine-tuning the model's responses.

### HUFFZIP | C++, JAVASCRIPT AND HTML

[Link to Project](#)

- Developed a file compression tool using **Huffman Coding** for best compression.
- Built a user-friendly interface **HTML/JS** and implemented the algorithm in **C++**.
- Added drag-and-drop upload and real-time progress updates for seamless UX.
- Achieved **40-60%** file size reduction for text files with optimized performance.