

Aritra Majumder

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LINKEDIN | GITHUB | CODEFORCES | LEETCODE | PORTFOLIO

EDUCATION

JADAVPUR UNIVERSITY
BACHELORS ELECTRICAL ENGINEERING
GPA: 9.15

July 2019 - July 2023
Jadavpur, Kolkata

RAMAKRISHNA MISSION ASHRAMA VIDYALAYA
HIGHER SECONDARY (WBCHE) SCIENCE
Percentage: 94.8%

June 2017 - February 2019
Narendrapur, Kolkata

RAMAKRISHNA MISSION ASHRAMA VIDYALAYA
SECONDARY (WBBSE)
Percentage: 94.67%

February 2011 - February 2017
Narendrapur, Kolkata

SKILLS

- 1> Programming Languages - C, C++, Python, JavaScript, SQL, Solidity;
- 2> DBMS, RDBMS (MySQL & PostgreSQL) and non-Relational one (MongoDB);
- 3> Competitive Programming, Data Structures and Algorithms;
- 4> OS - Windows and Linux;
- 5> Object-oriented Programming in C++;
- 6> Backend- Node.js, Django;
- 7> Frontend- HTML, JavaScript, TypeScript, CSS, VueJS, ReactJS;
- 8> System design i.e. high level design and low level design;

EXPERIENCE

Google Summer of Code '23, Mathesar | Student Developer

- Mathesar is a tool that aims to deliver database assets to non-technical personnel.
- Will be working on Adding more summarization functions to enhance user experience.
- Will work on developing backend (Django), frontend (Svelte, TypeScript) and database management (PostgreSQL).

PwC | Technological Consultant Intern

Kolkata | June 2022 - August 2022

- Summer Intern at PricewaterhouseCoopers, Kolkata as a technology consultant.
- Worked on a Data analytics project using Azure Data Factory (ADF) to create notebooks and pipelines.
- Used python modules like Pandas, NumPy, Apache Pyspark and SQL.

Shiksha-Sopan | Back-end Developer Intern

Remote | February 2023 - May 2023

- Developing fault-tolerant back-end of the online examination system that may achieve minimum latency.
- The code base is written in Django and ReactJS.
- Currently working on developing exam infrastructure and document verification.

Mathesar | Open source Contributor

- Added support for importing data from semi-colon separated value files.
- Working on improving UX and some feature requests as well as fixing bug.
- Understood the code base and opened many issues to enrich UI and UX.

PROJECTS

PROJECT LIGHTHOUSE

Bigdata Analytics, Apache pyspark, Azure Data Factory

- An industry-based project under PwC to implement data quality checks and Business Validation Ruleschecks on big data using modules like Pandas, NumPy and Apache Pyspark in Databricks.
- The operations were automated using ADF pipelines and setting triggers.

BOOKISH | [LINK](#)

Web Development, React.js, Vue.js, Django, Elastic search

A demo e-commerce site for shopping books, with features like **Register** , **Login** , **text-autocomplete** and **Elastic-search** .

TWILIO SMS MEDICINE REMINDER | [DEMO](#)

Web Development, Vue.js, Django, Twilio, Apscheduler

A project under Mercor to implement an app that allows a hospital to remind their patients about taking medicine in an efficient way as well as notify the hospital staff when refill is needed.

TODO-LIST DECENTRALISED APPLICATION | [LINK](#)

Web Development, Blockchain, Vue.js, Solidity

A decentralised application made using BlockChain and VueJS that will dynamically keep track of the to-dos.

CERTIFICATIONS & HONORS

- Internship Certificate - PwC
- Global rank of 87 and 300 secured in Leetcode biweekly contest 97 and weekly contest 330 respectively
- All India Rank 5 in unstop 100 days coding sprint - Unstop
- Certificate of Excellence in Boundary Aimers of Maths Premier League - Unstop
- Certificate of Excellence in Ansatz Reloaded, The Mathematical Quiz - Unstop
- All India Rank 7 in Mercor Coding contest - LinkedIn