

Aritra Mondal

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PROFESSIONAL EXPERIENCE

LeanIX – Software Development Engineer

April 2022 – Present Software Development Engineer

December 2021 – April 2022 – Full-Stack Engineering Intern

- Under NDA.
- Technologies used: **Angular**, **FastAPI(Python)**, **Express(Typescript)**, **Dropwizard(Java)**, **Kubernetes**, **Elasticsearch** and **Azure**.

Softway – Full-Stack Engineering Intern

December 2020 – August 2021

- Worked on Softway access (Authentication endpoint for all Softway products) using **ExpressJS** for endpoints, **Redis** for caching, and **AWS DynamoDB** for the database.
- Pitched and implemented **Dynamic Design System** tool **Masalabook** using **Django** which helps developers build interfaces quickly and efficiently.
- Implemented **Mixpanel analytics** on products to provide metrics like user engagement and commitment.
- Implemented mobile push notifications using **OneSignal** for **Android** and **IOS**.

TestMandi, Full-Stack Developer Intern

May 2020 – July 2020

- Designed back-end architecture, and database schemas.
- Developed online compiler using **ACE** and **AWS Lambda functions** for better scalability, code checking module, practice module, assessment management module, user authentication, etc using **Django**.
- Deployed on **AWS** and **Heroku**.

BizMarvel, Back-End Developer Intern

May 2019 – May 2020

- Brainstormed, planned, and developed backend services using **Django** and **Express** from scratch. Paired with relational (**PostgreSQL** and **SQL**) and non-relational (**MongoDB**, **Redis**) databases. Deployed on **AWS** and **Heroku**.
- Designed frontend applications using **Figma**. Developed using **ReactJS** and **NextJS**.

RESEARCH EXPERIENCE

- Effects of different filters on text extractions from videos using TESSERACT [Read on Research Gate](#)

EDUCATION

Kalinga Institute of Industrial Technology

June 2018 – April 2022

- **Bachelor of Technology**, Information Technology
CGPA: **8.79/10**

[Leetcode](#), [Codechef](#), [Hackerrank](#)

TECHNICAL SKILLS (EXPERIENCED IN)

- **Languages:** C, C++, Python, Java, JavaScript, Typescript, SQL, Go.
- **Frameworks and Databases:** Django, NodeJS, ElectronJS, ReactJS, NextJS, Kubernetes, PostgreSQL, MySQL, SQLite, MongoDB, Redis and AWS DynamoDB.
- **Tools:** Github, AWS, Azure, Heroku, Figma, Docker.

PROJECTS

- **BetterClass** *Django, WebSockets, TailwindCSS, JS, Redis*
BetterClass is an interactive whiteboard space for real-time drawing and chats service to discuss and collaborate on topics and ideas. Built using **Django** and **web sockets** for real-time updates paired with **Redis** and **SQL** for faster DB calls and an overall better user experience.
- **DevStack** *Django, AWS RDS, Heroku, HTML, CSS, Github Auth.*
A developer's first platform for sharing projects and ideas for collaboration and feedback. Connected via Github. Built with **Django**, **Jinja2**, and **TailwindCSS**. Deployed on **Heroku** and using **AWS** for blob storage.
- **Codevox** *Django, AWS, ACE, HTML, CSS*
Codevox automates the process of creating, solving, and assessing coding assignments for students and teachers. Built using **Django** and deployed on **AWS**.
- **Justrun.ml** *Django, HTML, CSS, JS, AWS Lambda, Azure.*
Online IDE. Built using **Django** and **AWS Lambda functions** to **scale automatically** depending on the load, reducing compile time and resulting in a better user experience. With 1000+ code submissions so far.
- **CPIDE** *Electron JS, ACE, Node JS, HTML, CSS, Heroku.*
CP-IDE is a **cross-platform** hackable code editor built with **Electron JS** and **Ace**, with an easy workflow for faster and easier testing of code for competitive programming contests. [Bitbucket](#)

ACHIEVEMENTS

- 4th place at **ICPC 2018** Asia-Gwalior Regionals.
- Winner of **Hack The League Microsoft Track**.
- 7th place in DSC Garage India Hack
- **Google Hash Code** 2020, 7th in University
- **Google Hash Code** 2021 5th in University
- One of the first 50 codebreakers in **BreakTheCode**.
- DigitalOcean **HacktoberFest** 2020, 2021 open source contributor.

RESPONSIBILITIES

KIIT ACM Chairman

November 2020 – April 2022

Hosting competitive programming contests and discussion sessions. **CODEX1**, **CODEX2**