

ARNABI MITRA

Power Programmer at INFOSYS

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Kolkata, WestBengal

EXPERIENCE

Power Programmer

Infosys

September 2020 – Ongoing Bangalore

- In charge of data transformation process from semi-structured data in multiple sources to business friendly formats.
- Assisted business stakeholders in making strategic decisions by providing a centralized solution using Informatica application for data archiving and peer to peer mapping processes are used to simplify data search.
- Handled large datasets of sizes up to 2TB, applying data manipulation, indexing and archiving techniques to enable client use the datasets as per their requirement.

KEY PROJECTS

1. Note-Saving Application(MEAN STACK Application)

- Created a monolithic, modern, scalable and high-speed Web Applications with **Angular**, **Node.js**, **Express** and **MongoDB**.
- A user need to create an account first, then can create and save any notes, in future he can view or modify or delete the notes.
- Implemented reusable Components in Angular which interacts using **RoutingModule** among themselves and boosted the performance using lazy loading.
- Reactive User Experience achieved with the Tools provided by Angular and connected it to Back-end using Angular's **HttpClient service**.
- Application is secured by implementing Users **Authentication** as well as **Authorization**.
- Added advanced features like **image upload**, **mime type validator**, **searching** and **pagination**.

Link to this Project: <https://github.com/arnabi62/Note-saving-app-FullStack>.

2. Sorting Visualizer

- Implemented a visual presentation of Sorting algorithms.
- Used advance DOM manipulation using **Javascript** only.
- Used **Promises** and **asynchronous** functions to create a better visual effect.

Link to the live Project: <https://arnabi62.github.io/Sortvisualize/>

INTERNSHIP

- Research Intern at Indian Institute of Engineering Science and Technology (2019) – worked on a research-based project. My task was to find an efficient algorithm on droplet routing mechanism in Digital Micro-fluidic Biochip. I have tried to implement and heuristic approach using graph Theory.

EDUCATION

BTech. in Computer Science

Government College of Engineering Leather Technology

2016 – 2020

CODING PROFILE

Leetcode: www.leetcode.com/arnabimitra100

Hackerrank: www.hackerrank.com/arnabimitra100

PUBLICATIONS

- **Paper published in International Journal of Engineering Advanced Technology (IJEAT)(October, 2019):**
Successfully published a paper on "Innovative Ranking Strategy For IPL Team Formation". It is one of the applications of Social Network Analysis to Rank the players of IPL. We took all the important parameters to describe a player and ranked them based on their current and previous performance, then Give them a fixed price based on their rating and compared it to the current situation which gives a good result.
Link: "Innovative Ranking Strategy For IPL Team Formation"
- **Paper published in Springer(May 2021):**
Successfully published a paper on "World Cup Semi-finalists Prediction by Statistical Method". we feed our algorithm with some specific parameters like all players' recent performance, performance of teams in World cup and against each other and many other parameters. Our algorithm was almost 90% accurate for any world cup tournament.
Link: "World Cup Semi-finalists Prediction by Statistical Method"

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java
- **Database Language:** MYSQL, MongoDB
- **Web Technology Framework:** HTML, CSS, Node.js, Angular, Javascript

PORTFOLIO

github: <http://github.com/arnabi62>

linkedin: www.linkedin.com/in/arnabi-mitra

Youtube: www.youtube.com/channel/arnabi-mitra

Leetcode: www.leetcode.com/arnabimitra100

HOBIES

Technical Blog writing:

My blogs : <https://medium.com/@arnabimitra100>

Classical Dancing.

Reading novels.