# JAGONMOY DEY

## Software Engineer

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# EXPERIENCE

## Associate Software Engineer
**Cefalo Bangladesh Limited**
Feb 2023 – Present,  Dhaka, Bangladesh

**Technologies :** TypeScript, React.Js, Material-UI, Redux, Jest etc.

- I have learned TypeScript and built a frontend application with React, managing the state with Redux
- Performed unit testing using React Testing Library and Jest.
- Used Material-UI for component design
- GitHub :  **Frontend in TypeScript**

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## Trainee Software Engineer
**Cefalo Bangladesh Limited**
Sep 2021 – Mar 2022,  Dhaka, Bangladesh

I have done 6 months Internship in CEFALO Bangladesh Limited as a Trainee Software Engineer. My Learning in Cefalo Includes -

**Technologies :** Node.js, Express.Js, React.Js, Material-UI, MongoDB, Material-UI etc.

- REST Principles and Foundational knowledge of HTTP
- Fundamentals of JavaScript, NodeJS and ExpressJS
- JWT Authentication , Content Negotation, Unit Testing with Jest, Validation in both backend and frontend
- Context API, React Hooks, React Routing and Material-UI
- I have built a CRUD app based on this learning.

   GitHub : **Backend** & **Frontend**

- I have also worked in a group project called SlackBook which was an integration of Slack API and Facebook API which aimed to automate message/attachment sharing from slack to facebook.

   GitHub : **SlackBook**

# RESEARCH EXPERIENCE

Implemented a Bangla Speaker Diarization System with Speech Recognition in Bangla in my undergrad thesis.

**Domain:**  Deep Learning, Natural Language Processing.

# SKILLS

| JavaScript | TypeScript | React.js | Redux | Node.js |

| Express.js | Jest | MongoDB | Python | TensorFlow | C++ |

# EDUCATION

🎓 **B.Sc in Software Engineering**
Shahjalal University of Science and Technology , 2018-2022
CGPA : 3.56

# PROBLEM SOLVING

🏆 **Rating and Solved Count**
Achieved Max Rating of 1500+ in Codeforces and Solved over 1300+ Problems in various online judges

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**Profiles in Online Judges**

- StopStalk
- Codeforces
- Uhunt
- LightOJ
- LeetCode

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**Data Structure and Algorithm Collections**
Some of my Github Repositories containing resources related to different data structures and algorithms -

- Number-Theory
- Graph-Theory
- Dynamic-Programming

# PROJECTS

To prepare for my undergraduate thesis in Natural Language Processing, I completed several deep learning exercises to gain a better understanding of fundamental concepts and their implementations.

**GitHub:**  Deep-Learning-Exercises

**Tools:**  Python, TensorFlow, scikit-learn , NumPy, Pandas etc