TULIKA CHATTERJEE

Kolkata,India

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EDUCATION

Indian Institute of Engineering Science and Technology, Shibpur　　　　　　　Dec 2021-May 2025
Bachelor of Technology(B.Tech)- Information Technology
CGPA(Till 4th semester): **8.9/10.0**
Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, DBMS.

EXPERIENCE

Summer Internship program - Indian Statistical Institute,Kolkata　　　　　June 2023-July 2023
Mentored by Dr. Ujjwal Bhattacharya, Associate Professor, CVPR Unit　　　　　West Bengal,India

- Worked on digit and character recognition in arbitrary zones by **CNN text detection** models.
- Improved accuracy of text recognition by **2%** using Resnet architectures.

PROJECTS

XMovies - Movie streaming platform Github and Site

- Developed a frontend web application using **ReactJs** and **Redux-toolkit**.
- Implemented secure user login and signup with **Firebase authentication**.
- Fetched the movies from **TMDb API** and incorporated features like **segmentation of shows** according to **genre**.
- Added **slider** feature to slide through the shows and made separate pages for movie and television shows.
- Intuitive, visually appealing and fully responsive user interface.

Inkyy-Real Time Collaborative Whiteboard Web App Github

- Developed a real-time whiteboard sharing web application with **ReactJs**, **NodeJs** and **Socket.IO**.
- Incorporated features like instant notification to all when user joins or leaves, total participant list visible to everyone.
- Added undo, redo and clear board features and generating unique room id for every meeting
- App helps to build logic model with shapes and ideal for free-hand drawing.
- Written in **Javascript** and used **Bootstrap** to make display of the website adaptive.

Resume Generator - Github and Site

- Developed a user-friendly resume-generating platform with a profile picture of candidate.
- Used **Bootstrap** to create highly responsive and adaptive display of the website.
- Written in **Javascript** for enhanced code maintainability.

SKILLS

Languages:	C,C++,Python
Web development:	HTML, CSS, Bootstrap, Javascript, NodeJs, ReactJs.
Proficient:	Data structures, Problem solving, SQL.

ACHIEVEMENTS AND OTHER ACTIVITIES

- **CURIOSITY Coding Contest-** Rank **5th**(Among 2nd and 3rd years)(Qualified both the rounds) in Society of Information Technology,IIEST Shibpur.
- **Coding profiles**- [Leetcode] [Codechef] [GeeksforGeeks]
- Mentee @ Codess.Cafe-Got an opportunity to increase my network and learnt mentorship skills.