

# TULIKA CHATTERJEE

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📍 Kolkata, India

🌐 tulika-portfolio.vercel.app



## EDUCATION

B.Tech in Information Technology

IIST, Shibpur

📅 Dec 2021 - June 2025 (expected)

- CGPA (Till 7th semester): 8.86/10.0
- Relevant coursework: Data structures, Operating systems, DBMS, OOPs.

## WORK EXPERIENCE

Frontend Developer Intern

SiteMaster

📅 May 2024 - July 2024 📍 Kolkata, India

- Optimized web application **responsiveness** by implementing media queries; enhanced user experience, **reduced bounce rate by 10%**.
- Developed a **dynamic and responsive search and filtering panel**, leveraging state management, improving UI/UX.
- Rectified over **10 bugs** and upgraded key features, such as task management and project dashboard fetching data from APIs.

Software Tester

SiteMaster

📅 April 2024 - May 2024 📍 Kolkata, India

- Delivered solutions by implementing manual testing methodologies in process improvement initiatives, resulting in **reduction of defects**.
- Designed over **50** test scenarios and test cases for the mobile application's Finance, Task Management, and Worker Management.

## MENTORSHIP EXPERIENCE

Mentee - Women in Tech

NXP Semiconductors

📅 Oct 2022 - Dec 2023 📍 Hybrid, India

- Completed an intensive training program focused on programming languages, verilog programming, and digital subjects.
- Gained proficiency in C programming and Object-Oriented Programming (OOPs) principles.
- Implemented a robust 8b/10b Encoder Decoder project in Verilog.
- Gained knowledge about NXP's values, culture, and cutting-edge technologies in the site visit.

## PROJECTS

XMovies - Movie streaming platform

- ReactJs, Redux-toolkit, TailwindCSS
- 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.  
[Github Site](#)

Inkyy-Real Time Collaborative Whiteboard Web App

- ReactJs, NodeJs, Socket.IO
- Developed a collaborative whiteboard sharing web application with **real-time updates**.
- Incorporated features like **notification** on **user entry** and **exit** using React toastify, **total participant list**.
- Added **undo**, **redo** and **clear board** features and generating **unique room id** for every meeting. [Github](#)

## ACHIEVEMENTS

- **NXP WIT Scholar 2022:** One of the **top 50** students (in India) selected in the Semiconductor Cohort by NXP Semiconductors.
- **CURIOSITY Coding Competition 2023:** Secured 5th position in the IT departmental coding competition.
- **ZS Tech Challenge:** My team "StackOverFlow" secured a position within top 125 teams.
- **Open Source:** Selected as a contributor in GirlScript Summer of Code 2024 and Social Summer of Code 2024.

## TECHNICAL SKILLS

- **LANGUAGES:** C, C++
- **WEB DEVELOPMENT:** HTML, CSS, Javascript, React.js, Node.js.

## EXTRA-CURRICULAR

- **Millennium Campus Network Fellow(Class of 2023)**-Working on the project "The Green Horizon" to promote sustainability in campus.
- Received Sangeet Bhusan in Rabindra Sangeet and Classical Singing(2nd year).
- Hobbies-Blog writing, Gardening.