

# TIRTHA BISWAS

Kolkata, West Bengal

☎ +91 9083613202 ✉ [tirthamunai1234@gmail.com](mailto:tirthamunai1234@gmail.com) [in](#) [LinkedIn](#)

## Education

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### Jadavpur University

2021 – Present

*Bachelor of Technology in Power Engineering*

CGPA: 7.5

### Holy Cross School, Kolkata

2020

*Class 12 (ISC)*

Score: 87.25%

### Holy Cross School, Kolkata

2018

*Class 10 (ICSE)*

Score: 91.2%

## Projects

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### Code XL

[GitHub](#) — [Deployed Link](#)

- Developed a fullstack **MERN** application for placement preparation.
- Implemented **JWT** for authentication to secure user data.
- Allowed users to upload and track SDE/DSA practice sheets in Excel format.
- Created a community for users to share doubts and engage in discussions.
- Presented users with infographics to assess their preparation levels.
- Included features for customized mock tests and Core Subjects covering CS fundamentals.
- Utilized **Redis** for caching to enhance performance.
- Created a **Flask** API to scrape data from websites such as **Codeforces** and **GeeksforGeeks** using **Beautiful Soup** to display upcoming contests.
- View demo [here](#)

### BetterMe Healthcare App

[GitHub](#)

- Developed a healthcare app using **React.js**, **Tailwind CSS**, and **Flask**.
- Integrated Stripe for payments and implemented features like appointment booking, posture correction, and calorie counting.
- Achieved **99.97%** accuracy in disease prediction using **SVM**, **Decision Trees**, and **Random Forest**.
- Implemented personalized diet/workout plans using **Generative AI** and **Langchain**.
- View demo [here](#)

### Tic Tac Toe Game

[GitHub](#) — [Deployed Link](#)

- Developed a Tic Tac Toe game using **React.js** and **Tailwind CSS**.
- Used Anime.js for in-game animations.

## Skills

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- **Languages:** C++, JavaScript, Java, Python, HTML, CSS
- **Frameworks:** React.js, Tailwind CSS, Bootstrap, Express.js, Node.js, Flask
- **Databases:** MySQL, MongoDB

## Achievements

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- Secured an All India Rank of **2152** in WBJEE among **100,000+** candidates.
- Achieved **5th** place in the **Jadavpur University Internship Screening Test (2023-2024)** out of **450+** students.
- Ranked **8th** among **450+** teams in the **Hackforge Hackathon** organized by Jadavpur University at Srijan, the annual tech fest of Jadavpur University.
- Attained a highest rating of **1737 (3-star)** on CodeChef.
- Solved over **800+** problems across various competitive programming platforms.

## Profile Links

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- [LeetCode](#)
- [CodeChef](#)
- [GitHub](#)