

# MAYUK SARKAR

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## Education

**Indian Institute of Information Technology, Jabalpur, India**

**Dec. 2021 – May 2025**

*Bachelor of Technology in Computer Science and Engineering*

*CPI : 7.3 (till 4th sem)*

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Software Engineering
- Database Management
- Computer Networking
- Operating Systems
- Artificial Intelligence
- Discrete Mathematics

## Experience

**Rework AI**

**May 2023 – July 2023**

*Mern Stack Development Intern*

*Remote*

- Contributed to improving the user interface (UI) of web applications, enhancing the overall user experience.
- Implemented frontend form validation, reducing backend data validation load, and ensuring data accuracy.
- Utilized local storage to optimize API performance, resulting in faster data retrieval and a more responsive application.
- Worked on schema design using MongoDB and Mongoose, ensuring efficient data storage and retrieval.
- Leveraged a comprehensive tech stack, including **React.js, Node.js, Express, MongoDB, Ant Design, Bitbucket, and Github**, for seamless project development.
- Gained practical experience in building production-ready web solutions, applying advanced technologies and best practices for actual projects.

**One Stop**

**September 2022 – November 2022**

*Full Stack Developer Intern*

*Remote*

- Developed real-time web projects with PHP, MySQL, HTML, CSS, JavaScript, Ajax, and Bootstrap.
- Designed user-friendly interfaces, efficiently managed databases, and demonstrated proficiency in SQL.

## Projects

**Shoppify Ecommerce Application** | *Python, Django, Ajax, Bootstrap* ( [Repository](#) )

**August 2023**

- Utilized Django's query sets and subqueries for efficient and intricate database searches.
- Created a robust, user-friendly admin dashboard for streamlined content management.
- Enhanced security with email verification and implemented seamless user authentication features.
- Developed a secure 'Forgot Password' mechanism for an enhanced user experience.
- Enabled real-time content updates through AJAX, ensuring a seamless shopping cart experience.
- Implemented real-time order status checking for easy administration and efficient order management.

**Online Hotel Booking Website** | *Python, Django, Request-module* ( [Repository](#) )

**January 2023**

- Designed an entirely responsive UI for seamless access across various devices, including mobile, tablet and pcs.
- Developed a custom authentication system to provide a personalized registration, login process and provide more data security.
- Integrated a robust payment gateway for real-time booking status updates and utilized the IRCTC API to enhance the travel section with precise train information, ensuring a better user experience.
- Implementing advanced search functionalities based on city, state, hotel name, and price to enhance user convenience.

## Skills

**Languages:** C++, Python, Javascript, HTML, CSS, PHP, SQL

**Frameworks:** Django, Django Rest-framework, React.js, Node.js, Express.js, Bootstrap

**Tools:** Git, GitHub, MySQL, MongoDB, SQLite, VsCode, MSoffice, Postman

**Soft Skills:** Leadership, Event Management, Public Speaking, Strategic Thinking, Planning

## Achievements

- Successfully tackled over 800+ DSA problems across renowned platforms such as [GeeksforGeeks](#), [LeetCode](#), and [Codeforces](#).
- Selected as a core member of the college alumni website team and actively contributed to the project, leading a team of three junior developers to ensure its success.