

MAYUK SARKAR

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Education

Indian Institute of Information Technology, Jabalpur, India

Dec. 2021 – May 2025

Bachelor of Technology in Computer Science Engineering

CPI: 7.3 (till 4th sem)

Experience

SLDC ODISHA

Nov. 2023 – Present

Machine Learning Intern

Remote

- Forecasting the usage of electricity throughout the state in different regions.
- Contributed to the STLF project for MP Electricity Board and replicated a similar system with enhanced models for Odisha Government.
- Implemented LSTM and BiLSTM models, achieving precise 6-year forecasts while addressing diverse weather conditions of different regions.
- Enhanced SLDC Odisha's technological landscape with ML and DL methodologies, utilizing in-depth data analysis for informed electricity demand predictions.
- Tech Stack: **Python, Django, SQL (Postgres), Matplotlib, Sklearn, Tensorflow.**

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.
- Gained practical experience in building production-ready web solutions, applying advanced technologies and best practices for actual projects.
- Tech Stack : **React.js, Node.js, Express, MongoDB, Ant Design, Bitbucket, and Github.**

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, Sklearn, Tensorflow

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

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

Achievements

- Successfully tackled over 1000+ DSA problems across renowned platforms such as [GeeksforGeeks](#), [LeetCode](#), [Codeforces](#) and [Codechef](#).
- 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.
- Actively contributed on IIIT-Fusion [Web](#) and [Android](#) app and resolved 3+ issues related to Flutter , Django and SRS respectively.