

TANMOY CHOWDHURY

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PROFILE SUMMARY

Targeting software development roles with a scope of improving knowledge and growth. Software development and artificial intelligent with a strong background in building scalable development. Demonstrated ability to manage and deliver projects efficiently, from initial planning and design to final development and maintenance. Committed to staying updated with the latest industry trends and technologies, continuously enhancing to provide innovative solutions.

EDUCATION

University Of Engineering and Management, Kolkata (Aug 2020 - July 2024)

B.Tech in Computer Science and Technology with *CGPA: 8.92/10*

Relevant Coursework: Object Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Software development life cycle, Image Processing.

Project Work

Neighbouring: A web and mobile app providing users with nearby restaurant, attraction, and weather details.

- Designed a responsive and intuitive UI in ReactJS, improving user interaction.
- Managed state with Redux, enhancing app stability and reducing errors.
- Integrated API integration techniques to retrieve data for users.
- **Technologies:** ReactJS, Redux, Flutter, API Integration

Liveargan: A mobile application enabling users to visualize their organs interactively.

- Engineered and deployed a responsive mobile app with interactive ui/ux design.
- **Technologies:** Flutter

Bayrang: An e-commerce website enabling users to research, choose, and purchase products.

- Crafted the front-end architecture, enhanced UI responsiveness.
- Implemented secure user authentication with NodeJS.
- Optimized backend operations to manage.
- **Technologies:** ReactJS, Redux, NodeJS, MongoDB

Medbot: A chatbot recommending precautions for various illnesses based on severity.

- Processed and cleaned a dataset for disease prediction using SVM and DTC.
- Achieved maximum model accuracy by refining the data pipeline.
- **Technologies:** Python, Machine Learning Libraries, Data Pipelining

Internship and Certificates

- **Google Data Analytics Professional Certificate | Coursera**
- **Deep Learning for Developers | Infosys Springboard**
- **IBM Cloud and Applied Machine Learning Internship | Edunet** – The internship project focused on building a chatbot that analyzes chat data using **Pandas** and **NumPy**, applying **IBM Cloud ML models (SVM)** for query classification to automate responses. The chatbot was deployed for real-time interaction, streamlining user engagement.
Technologies Used:
IBM Cloud ML, Pandas, NumPy, Python, Data Analytics Tools
- **Infosys Springboard Internship | Infosys Springboard** – The project involved developing an OCR system for analyzing bank statements, with an intuitive interface for users to extract financial data. The frontend was built using React.js, while the backend used Flask to handle API requests and data storage was managed through Cloudinary. EasyOCR was used for data extraction, and Llama processed the extracted information.
Technologies Used:
Python, React.js, Flask, Cloudinary, EasyOCR, Llama, Agile Development

Skills

Languages: Java, Python, SQL, JavaScript

Technologies & Tools: HTML/CSS, ReactJS, NodeJS, Flutter, Data analytics, ML-libraries and algorithms

Hobbies

Playing football, video games, swimming, playing guitar.