

Koushiki Manna

SOFTWARE DEVELOPER

LinkedIn | 8327689566 | koushikimanna58@gmail.com

EDUCATION

FUTURE INSTITUTE OF ENGINEERING AND MANAGEMENT

BTECH IN CSE(DS)

2024 | Kolkata, India

CGPA: 9.22

RANAGHAT DEBNATH INSTITUTION FOR GIRLS

HIGHER SECONDARY, WBCHSE

2019 | West Bengal, India

Percentage: 77.2

RANAGHAT BROJOBALA GIRLS HIGH SCHOOL

SECONDARY, WBSE

2017 | West Bengal, India

Percentage: 85.12

LINKS

Github:// Koushiki Manna

LinkedIn:// Koushiki Manna

SKILLS

LANGUAGE

JAVA • C • C++ • JAVASCRIPT

WEB DEV

CSS • HTML

VERSION CONTROL

GITHUB • GIT

OTHERS

SQL • NOSQL • DBMS • MS OFFICE

HOBBIES

- PHOTOGRAPHY
- CONTENT CREATOR
- DANCE

LANGUAGES

ENGLISH

HINDI

BENGALI

PROJECTS

DATAREUM WEB APP (GITHUB | DATAREUM WEB APP)

May 2023 - Oct 2023 | KOLKATA, INDIA

- Designed and implemented a web application for securely decentralizing health data from patients, comprising **50 health attributes**, while maintaining strict anonymity.
- Employed **256-bit encryption** and Ethereum smart contracts to safeguard data, abstracting blockchain complexities through an admin panel, ensuring secure and transparent data storage.
- Developed a user-friendly system for uploading data via CSV files, automatically detecting required data rows with **50% error tolerance** and type-safe data parsing.
- Optimized smart contract data transfer speeds by up to **700%**, ensuring rapid and efficient data retrieval for researchers.
- Employed an advanced tech stack including **NextJS 13, Prisma, Jotai, TypeScript, Recharts, Supabase, Tailwind, Firebase, Framer Motion, ThreeJS, Hardhat**, and **ShadCN** to create a cutting-edge, performance-optimized web application with dynamic, interactive, and visually stunning content.

MOVIE RECOMMENDATION SYSTEM (GITHUB)

Jan 2023 - Feb 2023 | KOLKATA, INDIA

- Developed a movie recommendation system using **PyCharm** and **Python**, incorporating machine learning techniques for data analysis and model creation.
- Employed **NumPy** and **Pandas** for efficient data manipulation, enhancing the **recommendation algorithm's** accuracy.
- Utilized **Streamlit** to create an **interactive** web application for **user-friendly** movie recommendations and **Pickle** for model serialization.

HOUSE PRICE PREDICTION (GITHUB | GOOGLE COLAB)

April 2023 - May 2023 | KOLKATA, INDIA

- Developed a robust house price prediction model with machine learning techniques in a cloud-based environment using **Google Colab**.
- Leveraged **Python** and essential libraries such as **NumPy, Pandas, Scikit-learn, XGBoost**, and **Matplotlib** for comprehensive data analysis, modeling, and data visualization.
- Demonstrated exceptional analytical and problem-solving abilities, resulting in a high level of predictive accuracy for **real-world** housing price data.

COURSEWORK

CERTIFIED

RESPONSIVE WEB DESIGN

- Mastered the principles and techniques of responsive web design, creating websites that adapt seamlessly to any screen size and device.

RELATIONAL DATABASE

- Gained a comprehensive understanding of relational database concepts and SQL programming through freeCodeCamp's Relational Database course.