

Sattwik Maiti

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EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY,DURGAPUR

BTECH , COMPUTER SCIENCE AND ENGINEERING (2021- 25)

Durgapur, West Bengal, India

SGPA : 8.95 (5th Sem) | CGPA : 8.24 (Till 5Th Sem) | ISC : 95.2 | ICSE : 97.4

EXPERIENCE

WALMART DATA SCIENCE HACKATHON (SPARKATHON)

October 7,2023 - October 10,2023 | GITHUB LINK

- **48 hour Hackathon.** We proposed and engineered a Customer Segmentation Analysis using K-Means Clustering ,DBSCAN,Agglomerative Hierarchical Clustering with Silhouette analysis Scores.
- Suggestion of Side-Add-On Products using Market Basket Analysis . Customer Churn Rate using RFM Analysis. .

PROJECTS

URBAN MONKEY - ECOMMERSE SHOP WITH MACHINE LEARNING PRODUCT RECOMMENDER @ URBAN-MINI-TV | DEMO-GITHUB

June,2023-June,2023

- A MERN stack Shopping Website developed with Redux-Toolkit powered by Stripe Payment Gateway.
- MongoDB filter and searching queries and Redux-Persist for state management
- Item- Item Content Based Filtering Using TF-IDF Vectorizer | CountVectorizer And Cosine Similarity
- Collaborative Filtering Using Matrix Factorization And Pearson Correlation implemented SVD (SingleValuedDecomposition) followed by optimized KNN Algorithm using KD TREE

CHAT.IO - WEBSOCKET CHAT WEBSITE | DEMO-GITHUB

November,2023-November,2023

- Designed MERN stack for real-time chat app, elevating productivity by facilitating instant messaging and seamless communication.
- Implemented user authentication ,room chat and live users and optimized application performance(reduce latency by 100%) using WebSockets

INSOMNIA - WEB-RTC STREAM | DEMO-GITHUB

November,2023-November,2023

- WEB-RTC Based Live Video Streaming launched with HTML, Javascript and CSS , supported with AGORA SDK for Live Chat and Screen-Share features.
- WebRTC can reduce latency by as much as 50 % or even more compared to traditional streaming protocols like RTMP.

HUBLOG-BLOGGING WEBSITE | DEMO-GITHUB

April,2023-June,2023

- MERN Website incorporated with CRUD facility, Category-based searching and State Management using React Hooks
- JWT Token Auth and OTP Verification with SMTP Mail Protocols.

SKILLS

REACTJS, JAVASCRIPT, CSS, HTML, NODEJS, EXPRESSJS, MongoDB, Github, C++, C,MySQL , Operating System, DBMS .

ACHIEVEMENTS

- 3 Star (1765) CodeChef
- Pupil (1229) CodeForce
- Achieved SMART INDIA HACKATHON 2023 Semi-finalist
- Pioneered National Level Prize and State Level Runner Up Prize in UCMAS ABACUS held in NEW DELHI and WEST BENGAL respectively

LINKS

- GITHUB (A+ Rated Contributor)
- GEEKS FOR GEEKS (200 Q+)
- LEETCODE (200 Q+)

POSITION OF

RESPONSIBILITY

- Junior Web-Developer and Event Management Member at Official Computer Science Society NIT DURGAPUR (April,2023-Present)
- Junior Campus Connection Lead at Algo Zenith, NIT Durgapur, which helps in organization of various coding events and hackathons (June,2023-November,2023)

ACTIVITIES

- Harmonized Songs
- Competed Chess
- Played Cricket