

Soumik Bera

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EDUCATION

GARGI MEMORIAL INSTITUTE OF TECHNOLOGY

BTECH CGPA: 8.39

Aug 2018- Jun 2022 | Kolkata

LINKS

Github:// [SOUMIKBERA](#)

LinkedIn:// [soumikbera](#)

LeetCode:// [tylerdurden450](#)

SKILLS

PROGRAMMING

Languages:

Java • Javascript • C++ • Python

Frameworks:

Node.js • Angular • React.js • NestJS

• Express.js • Passport • Socket.io

Tools:

Docker • Kubernetes • WebRTC • Redis

• AWS(EC2,S3)

Familiar:

Springboot • MongoDB • MySQL

COURSEWORK

Web Development

Data Science

Data structure & Alogorithm

Cloud Computing

Machine Learning

ORGANIZATIONS

CORE TEAM MEMBER

Mar 2022

Montage, the drawing club member of GMIT Kolkata. Exhibition of painting and drawing by the community.

EXECUTIVE

sep 2018

The proposed work aims to design a automated writing machine with computer numerical control along with Arduino and Raspberry pi to make a Homework composing machine at home.

WORK EXPERIENCE

PERFECTICE EDUVENTURE PVT LTD | SOFTWARE DEVELOPER

January 2024 – Jan 2025 | Noida, India

- Developed and optimized REST APIs using **Node.js** and **NestJS**, ensuring high scalability and seamless integration.
- Enhanced **Angular-based frontend** performance by 40% through state management and code optimizations.
- Built a proctoring system with **WebRTC** and **Mediasoup**, enabling real-time video streaming and screen recording.
- Designed and implemented a code compiler using **Docker** for efficient test case execution.
- Developed a real-time analytics dashboard in **React.js** and **WebSocket**, tracking 500+ metrics per second. ,

EXPERIENCE/ PROJECTS

DEVSPACE | DEVELOPER

August 2023 - Jan 2024 | Hyderabad | Link

- A social media Web App using **Nodejs**, **Express**, **Socket.io** & **MongoDB** as backend and HTML, CSS & Bootstrap for frontend.
- Used server-side rendering using **EJS template** & implemented **MVC architecture** to build the app.
- Designed different collections in **databases like users, posts & follows** and applied complex database operations like **MongoDB lookup**, etc.
- Used **babel** & **webpack** to compile and bundle, respectively.
- Implemented Authentication like user registration & login.
- Deployed it using Heroku, a cloud platform.

CRYPTOCURRENCY TRACKER | DEVELOPER

Jan 2023 - Aug 2023

- Web App to track the live data like Price, Volume, Change etc for several Cryptocurrencies.
- Fetch live APIs from cryptonator using Axios
- Auto price and other data update without refreshing in every 30 seconds
- The UI is mobile as well as desktop responsive.
- Integrated Live chat from a third party application
- Made a function to convert UNIX time to DayTime
- Integrated google analytics to track the live traffic data.

MACHINE LEARNING CLASSIFICATION PROJECT | DEVELOPER

January 2021 - April 2022

- Explored and Visualized the Iris Dataset to gain insights.
- Built Logistic Regression, Decision Tree and Random Forest for classification of species.
- Used accuracy score as the evaluation metrics and found that Decision Trees and Random Forest increased the accuracy by 2%.

CERTIFICATES

Gammaprep | Coding and Development

• C++ • Java • NodeJS • ReactJS • Data Structures • DBMS • OOPS

ThinkLance Edutech | Data Science Trainee

Ethical Edufabrica Pvt. Ltd, IIT Bombay, AI with ML

Cloud Computing | Preplnsta

java | Preplnsta