

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

• PostgreSQL

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

July 2024 – Dec 2024 | Noida, India

- Built a proctoring system with WebRTC and Mediasoup, enabling real-time video streaming and screen recording for live single and multi-student assessments.
- Designed and implemented a multi-language code compiler using Docker, supporting many programming languages for efficient test evaluation.
- Developed and optimized a REST APIs for the staging environment using Nest.js in a microservices architecture, ensuring high scalability and smooth integration with Swagger for auto-updating API documentation

EXPERIENCE/ PROJECTS

DEVSPACE | DEVELOPER

November 2023 - May 2024 | 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.
- Used GravatarAPI for profile images.
- Deployed it using Heroku, a cloud platform.

CRYPTOCURRENCY TRACKER | DEVELOPER

Aug 2023 - Jan 2024

- 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 | GammaPrep

- 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 | PrepInsta

java | PrepInsta