SIDDHARTHA PATRA

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EDUCATION

Jalpaiguri Government Engineering College , West Bengal   **2022 − 2026**
B.Tech - Electronics and Communication Engineering   *Jalpaiguri, West Bengal*

COURSEWORK / SKILLS

- ∗ DSA(Basic)
- ∗ Web Devlopment
- ∗ Postman API
- ∗ Git and Github
- ∗ Cloud
- ∗ windows
- ∗ Software Engineering(Web)
- ∗ visual studio code

INTERNSHIP

Bluestock Fintech 🗗   **1 August − 30 September 2024**
SDE Intern   *Remote*

- Learned and implemented **the development of a web application and REST API** to provide IPO-related information to the public.
- Developed the application using HTML, Tailwind CSS, and JavaScript to display real-time IPO information in a responsive and user-friendly interface.
- Built a RESTful API using Node.js (Express) to serve IPO data, integrating it with the frontend for seamless data access.
- Implemented a MongoDB database to store and manage IPO details, ensuring efficient data retrieval and updates.

PROJECTS

MERN Recipe App with Authentication 🗗 | React, Node js, Database(MongoDB),Express.js   **2024**

- Full-Stack Recipe Management App Developed a feature-rich MERN stack application with user authentication (JWT-based) allowing users to securely log in, create, delete, and share recipes.
- Authentication and Security Implemented secure user login using JWT, ensuring encrypted user data management for recipe creation and sharing functionality.
- Responsive UI with React: Built a dynamic and responsive front-end using React and Tailwind CSS, offering an intuitive and seamless user experience for managing and viewing recipes.

N Queens Visualizer 🗗 | JavaScript, CSS, HTML, Visualisation, chess-queens, Data-Structure   **2024**

- The n-queens puzzle is the problem of placing N queens on an N x N chessboard.
- Such that no two queens attack each other.
- Given an integer N(user input),we will show all distinct solutions to the N-queens puzzle.
- This algorithm is designed using recursion and BackTracking.

Realtime Device track 🗗 | Map with node.js express and socket.io   **2024**

- Developed a backend system using Node.js, Express, and Socket.io to track device locations in real-time, ensuring instant updates and seamless communication between clients and servers.
- Efficient WebSocket Integration Leveraged Socket.io for continuous bi-directional communication, enabling low-latency updates for real-time map visualization of device locations.

TECHNICAL SKILLS

Languages: C++, C, JavaScript,
Technologies/Frameworks: HTML5, CSS3, Google Cloud, Express JS, React JS,MongoDB, NodeJS, Talwind CSS, GSAP, JWT
Developer Tools: VS Code, IntelliJ, Canva

CERTIFICATIONS

- **Cloud Bootcamp** – Google For Developers - GeeksforGeeks

- **AWS Training and Completion** - AWS

- **Postman Certification** - LetsUpgrade

- **Modernize Infrastructure and Application** with Google Cloud - Coursera

- **Complete Google StudyJam** - Google Developer Student Club

- **Asia AI Odyssey Challenge** - Microsoft

ACHIVMENTS

I achieved 1 Rank in Google clod study jam out of 200 students in our college