SOUMITRA SAMANTA

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SUMMARY

Skilled in C, C++, JavaScript, Data structure and Algorithm, HTML, CSS, React.js, Node.js, MongoDB with a Bachelor Technology focused on Computer Science. Currently studying in final year. Committed to establishing a strong presence in the technical field. A creative problem solver with a passion for learning, programming, analysis and innovation.

Education

Bachelor of Technology - BTech, Computer Science and Engineering	7.95 cgpa
College of Engineering and Management, Kolaghat	Aug 2022 - Jun 2026

Higher Secondary Education	88%
Kharika Vivekananda Vidyayatan	Apr 2020 - May 2022

Project

DThoughts ⚙

- Developed a fully functional blog post web application using **React.js** and **Redux Toolkit**, allowing users to create, edit, and manage content through a rich text interface powered by **TinyMCE**.

- Integrated **Appwrite** backend services for user authentication, real-time database operations, and file storage, ensuring secure and scalable content management.

Visualization of Shortest Path Algorithm ⚙ Link ⬀

- Designed and implemented a real-time visualization of the shortest path algorithm, using **HTML5**, **CSS**, and **JavaScript** with the **canvas** element to render interactive graphs.

- Optimized **pathfinding algorithms** for performance, ensuring smooth visual updates and responsiveness by managing large data sets and dynamically rendering paths and nodes on the canvas.

Skills

Languages: C, C++
Object Oriented Programming
Data Structure and Algorithm
Data Base Management System
Frontend: HTML, CSS, JavaScript, React.js
Backend: Node.js, Express
Database: MongoDB, Oracle
Authentication: JWT
Other Technologies: RESTful APIs, Redux, Redux Toolkit, Git, Github

Achievement

- **1st** in College **Coding Competition**

- **1st** in College **Debugging Competition**

- **Pupil**(1368) at **Codeforces (350+ questions)**

- Achieved Global Rank of **2k** out of **22k+** Participant in **Codeforces 941 div2 round**

- Solved **350+** question on **Leetcode+gfg**

Hobbies

Playing game, reading books, watching movies