

AYAN DAS

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🌐 [Linkedin](#)

🐙 [Github](#)

📁 [Portfolio](#)

EDUCATION

Supreme Knowledge Foundation Group Of Institutions, Mankundu

2021 – 2024

B.Tech - Computer Science and Engineering - CGPA - 8.36

Mankundu, West Bengal

COURSEWORK / SKILLS

- DSA
- Operating Systems
- Oops In JAVA
- Computer Networks
- DBMS

PROJECTS

Full-Stack Real-Time Chat Application [↗](#) | MERN Stack, Tailwind, Socket.io, DaisyUI, Zustand 2025

- Engineered Zustand-based global state management, ensuring real-time updates with minimal re-renders.
- Implemented JWT authentication with HTTP-only cookies also used Express middleware for role-based access control, ensuring only authorized users can access chats.
- Encrypted passwords using bcrypt before storing them securely in MongoDB (Cloud) to prevent leaks.
- Implemented Cloudinary API for secure, high-speed image uploads, allowing users to send images instantly.
- Integrated Socket.io for real-time, bi-directional messaging, ensuring instant device updates.
- Developed a modern, responsive UI using TailwindCSS & DaisyUI, ensuring fast, fluid interactions with multiple customizable themes for enhanced personalization.

Password Manager [↗](#) | React, Tailwind CSS, MongoDB, Express

2025

- Designed and developed a secure password manager using React.js (frontend) and Node.js/Express.js (backend) with a MongoDB database for persistent storage.
- Implemented MongoDB with Mongoose, utilizing schema-based storage
- Developed secure RESTful APIs with Express.js, using CORS for safe communication and Dotenv for environment management, ensuring a scalable backend.
- Designed a responsive UI with Tailwind CSS, ensuring an intuitive experience across devices. Integrated Lordicons for interactive and dynamic visuals.

Twitter Clone [↗](#) | HTML and TailWind CSS

2024

- Built a fully responsive layout using Tailwind's responsive utilities (sm:, md:, lg:).
- Added hover effects and transitions for interactive elements using Tailwind classes.
- Recreated Twitter's UI with attention to details like the tweet button, feed, and media embedding.
- Designed a user-friendly interface with Tailwind's spacing and typography utilities, ensuring intuitive social interactions (likes, comments, retweets).

INTERNSHIP

Kramah Software India Pvt. Ltd [↗](#)

06 2023 – 09 2023

Manual Software Test Engineer

Bangalore, Karnataka

- Executed manual testing, identifying defects and inconsistencies in software applications.
- Applied test cases, tracked defects to closure, and collaborated with development teams to resolve issues.
- Reported any data inconsistencies or loss, contributing to process improvements.
- Gained practical experience in manual testing and root cause analysis.

TECHNICAL SKILLS

Languages: C++, C, Java, JavaScript, SQL, Python

Technologies/Frameworks: HTML5, CSS3, React.js, Node.js, Tailwind CSS, DaisyUI, Express.js, Mongoose, Redux, Zustand, Socket.io

Database: MongoDB Atlas, MongoDB Compass, Oracle

Testing & API Tools: Manual Testing, Postman

Developer Tools: VS Code, IntelliJ, Canva, Figma, Git & GitHub

Operating Systems: Windows, Linux

CODING PLATFORMS

- Solved 100+ Problems on **Leetcode**. [↗](#)
- Solved 100+ Problems across **GeeksforGeeks**. [↗](#)

CERTIFICATIONS

- Data Structures and Algorithms for Big Tech Interviews - Udemy
- C++ Programming for Humans! - Udemy
- Python Programming Beginners Tutorial: Python3 Programming - Udemy

EXTRACURRICULAR

- **Campus Ambassador** at **Sahicollege Mentoring Private Limited**.
- Participate in College-Level Carrom Tournament