

Md. Rakibul Kabir

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🐙 [GitHub](#)

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Profile

I'm a final-year Software Engineering student at SUST with expertise in full-stack development. I am a language/framework agnostic person with a passion for building new things. I love to explore new technologies, especially those related to AI.

Education

B.Sc. in Software Engineering

03/2022 – 10/2025

Shahjalal University of Science and Technology, Sylhet.

CGPA: 3.35 / 4.00 (As of 6th Semester)

Technical Skills

• **Problem Solving:** 200 problems solved in Codeforces, 20 problems solved on Leetcode.

• **Languages:**

C++ Java JavaScript TypeScript Python

• **Frameworks & Technologies:**

React Node.js Next.js Tailwind Next.Auth LangChain

• **Databases:**

MongoDB MySQL Convex Vector DB

• **Tools:**

Cloudinary

Projects

• **Effective Learning**

Next.js TypeScript ShadCN Open AI SDK MongoDB

Frontend Developer

[Github](#) [Live Demo](#)

Developed a personalized learning platform to mitigate better learning on C programming. I have implemented the frontend with minimal modern design. Added Google and credential authentication, connected mongo ORM, introduced chat session, session page, profile, sidebar. Hence, smoothly integrated API's response to UI.

• **AI Notes**

Next.js JavaScript LangChain LiveBlocks Gemini API Clerk Convex Vector DB

Full Stack Developer

[Github](#) [Live Demo](#)

An AI-powered note-taking app that can store user notes and PDF file, and can ask question based on uploaded files. I have integrated RAG in tiptop text editor, powered by Google's text-embedding model. Additionally, for collaboration and co-edit in same workspace, I have used Liveblocks.io CRDT algorithm.

• **Campus Media**

React Tailwind Node.js Express Redux MongoDB Cloudinary

Full Stack Developer

[Github](#) [Live Demo](#)

Built a campus-exclusive social platform like twitter, where people can follow their friends, post on feed & use chatbot. In this application, I have used the React library for frontend, Node.js for backend, and Redux tool for state management to persist my data. Implemented custom hooks to pass the data effectively. All UI components & req/res controllers are followed by industry structure.

• **University Resource Manager**

Next.js JavaScript MongoDB Cloudinary Next.Auth

Full Stack Developer

[Github](#) [Live Demo](#)

Developed university resource hub with REST API, Cloudinary storage, dynamic routing, Context API, and Next.js-based admin, auth, and profile modules.

• **Campus Connect**

Java Firebase Auth Firebase Firestore

Full Stack Developer

[Github](#)

A chat app for private messages. I have used Firebase Auth for mobile authentication, message pass via fire-store.

Research Experience (Ongoing)

• **Effective Learning: AI-Powered Personalized Education System**

Prompt Engineering

Md. Rakibul Kabir, Md. Farzine Hossen, Siam Arefin, Saikat Singh, Supervisor: Fazzle Rabbi Rakib

Developing an intelligent learning platform that leverages prompt engineering to personalize education and deliver adaptive, effective learning experiences. [\[Live\]](#)