

Sabid Mahmud | sabidmahmud01@gmail.com | 512-214-0762

GitHub: [sabidmahmud01/Sabid\\_Portfolio](https://github.com/sabidmahmud01/Sabid_Portfolio)

## Summary

Computer Science student skilled in C++ with experience in Python, Java, and web technologies. Built real-world CLI systems using OOP, file I/O, and structured programming. Fast learner with proven leadership and mentoring experience, eager to contribute in problem-solving environments.

## Education

- B.Sc. in Computer Science, Texas State University — Expected Graduation: 2028

## Technical Skills

- Languages: Python, Java, C++
- Concepts: OOP, data structures, algorithms, file I/O, modular design, debugging
- Tools/Tech: Git, Linux/CLI, Arduino; Pandas, NumPy, Matplotlib, Seaborn

## Experience & Leadership

- New Student Orientation Leader — Texas State University  
Facilitated 24 New Student Orientation sessions by delivering engaging presentations, guiding incoming students, and supporting their transition to university life. Demonstrated strong leadership, communication, and organizational skills while collaborating with staff and peers to ensure a welcoming and informative experience for all participants.
- Student Robotics Mentor — American Standard International School Robotics Club, Dhaka (Aug 2022)  
Guided middle/high school teams in designing and programming autonomous robots using Arduino and C++; taught sensor integration, motor control, and logic design; helped organize internal hackathons to promote STEM learning.

## Projects

### Full-Stack Notes Application (MERN Stack)

*ThinkBoard* | 2025

- Built a full-stack web application using MongoDB, Express.js, React, and Node.js (MERN) that allows users to create, view, update, and delete notes.
- Designed and implemented RESTful APIs in Express, integrating with MongoDB Atlas via Mongoose for schema modeling and data persistence.
- Developed a React frontend with reusable components (Notes List, Create Note Form, Detail Page) and managed application state with React hooks.
- Implemented middleware for error handling and security features like rate limiting to safeguard API endpoints.
- Deployed the frontend on Vercel and the backend on Render/Heroku, configuring environment variables and cloud database connections for production.
- Utilized Git/GitHub for version control and project management, following best practices for branching and commits.

Tech Stack: React, Node.js, Express.js, MongoDB Atlas, Mongoose, REST APIs, Git/GitHub, Vercel, Render/Heroku

## Certifications

- Python with Data Science — Completed certification  
Practical work in Python, data cleaning, analysis, and visualization with Pandas, NumPy, Matplotlib, Seaborn.