

# Sajid Mahmud

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👤 Portfolio ↗     💬 Sajid Mahmud ↗     🌐 <https://github.com/sajiid09> ↗

## Summary

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Computer Science and Engineering graduate skilled in full-stack web development (PERN/React/FastAPI), backend API design, database management, and AI/LLM integration. Experienced in building scalable mobile and web applications, optimizing data workflows, and deploying production-ready systems. Strong problem-solver with a solid understanding of software design, development, and testing. Currently mastering the power of LLMs, prompt engineering, and AI-driven automation.

## Skills

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**Languages:** Python, JavaScript, C++, SQL, PHP, HTML/CSS

**Database:** MySQL, MongoDB, PostgreSQL

**Frontend:** TypeScript, React, Tailwind, Next.js, Wordpress, Elementor

**Backend/Frameworks:** Node.js, Express.js, FastAPI, Flask

**Tools:**

- **Traditional:** Git, Linux, MS Excel/Access, Prompt Engineering, Adobe Suite, Arduino, Android Studio, VS Code
- **AI-Powered:** Codex, Cursor, GeminiCLI, OpenCode, ClaudeCode

## Experience

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**Prime Real State**, Sales Exec, Remote

USA

Jan 2024 to Apr 2024  
4 months

- Gained hands-on experience in talking to clients on a sales platform.
- Developed skills in conversation skills in English and conviction.
- completed multiple threshold and deadlines, ensuring full client alignment through direct communication.

## Education

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**BSc. BRAC University**, Computer Science and Engineering

Merul Badda, Dhaka  
Jan. 2020 to Aug. 2025

- **CGPA:** 3.15
- **Thesis:** Prompt-Based Generative AI for Sign Error Recovery in Bangla Sign Language Recognition
- **Coursework:** Software Foundations, Computer Architecture, Data Structure and Algorithms, Artificial Intelligence, Comparison of Learning Algorithms, Computational Theory, Network
- **Extra Curriculum:** General Member of BRAC University Computer Club (BUCC) and BRAC University Cultural Club (BUCuC)

**HSC. Govt MM College**, Science

Jessore  
2019

## Projects

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### [LuxEstate Premium Real-Estate Booking Platform](#)

Nov. 2025

- Applied microservice, multi-service architecture, Next UI
- Django REST Framework + JWT Authentication, PostgreSQL
- Property browsing, property detail pages, bookings, payment simulation, user accounts

### [BDTextileHub: E-commerce-website](#)

Jan. 2025

- Applied microservice, multi-service architecture
- Used FastAPI, TypeScript, Postgre
- Main focus was on user authentication and authorization

### [Emotional Feature Integrated BdSL-Langchain](#)

Dec. 2024

- Worked with massive dataset
- Learnt to pre-process, Normalise and Standardize large quantity of data
- Real time ML-AI integration

### [Bus Ticket Agent: Automated Ticket System](#)

Sep. 2025

- Python-based automated bus ticket recommendation system
- Implements route selection, pricing logic, and user decision support
- Designed for quick and efficient travel planning through automation

### [Decormade: PERN Stack E-commerce](#)

Oct. 2025

- A production-ready scalable PERN Web application system
- Developed secure REST APIs for products, users, and order workflows
- Implemented authentication, authorization, and database operations

### [Llama Powered Sentence Generator](#)

Mar. 2025

- Locally installed AI model capable of taking words from a directory and generating words with variety of complexity for better understanding
- Used Prompt Engineering for optimal results

## Reference

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### **Abdullah Al Mamun**

Team Leader

USA 401K Plan Administrator

Datapath

Bashundhara RA