

Shah Alam Abir

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Secretariate Lane, Rali, Bandar, Narayanganj

Profile

I am a third-year student of Software Engineering at the Institute of Information Technology, University of Dhaka.

Education

- **Bachelor of Science in Software Engineering**, IIT, University of Dhaka 2021 - Present
CGPA: 3.81 (till 5th semester)
Courses: DSA, OOP, DBMS, Web Technology, Information Security, Operating System, Statistics, Discrete Mathematics
- **Higher Secondary Certificate**, Dhaka College 2021
GPA: 5.00
- **Secondary School Certificate**, I.E.T. Govt. High School 2019
GPA: 5.00

Skills

Programming Languages: JavaScript, Python, Java, C, C++, Typescript

Frontend: ReactJS, NextJS, Redux, TailwindCSS, MaterialUI

Backend: ExpressJS, NodeJS, FastAPI, RESTful APIs, MongoDB, Postgres, Prisma, SQLAlchemy, Qdrant, CromaDB

Tools and Platforms: Scikit-learn, NumPy, Pandas, Matplotlib, Github, Figma, Docker, Postman, Ngix

Machine Learning: [Certificate \(Datacamp\)](#) | Supervised Learning, Unsupervised Learning, Reinforcement Learning, Feature Engineering, Data Preprocessing, ML Pipeline, Model Validation and Evaluation

Projects

- **Connect4Change** - [GitHub Repository](#) | A platform for surplus providers and seekers to share goods efficiently. Built with Next.js, Node.js, Postgres, and integrated with Map APIs.
- **StockFlow AI** - [GitHub Repository](#) | This is a comprehensive stock management system that integrates AI-powered tools for stock analysis, trade requests, and tracking of client activity. Built with Fastapi, Gemini api, Alphavantage api, Postgresql.
- **Real Estate WebApp** - [GitHub Repository](#) | A property rental and sales platform with interactive maps and messages. Developed using React.js, Node.js, Express.js, and MongoDB.
- **Blogging WebApp** - [Github Repository](#) | A blogging platform for developers with user authentication, rich text editing, and responsive ui. Built with Next.js, Prisma, and Firebase.
- **Gomoku** - [GitHub Repository](#) | Implementation of a Gomoku game with an AI opponent that uses minimax algorithm with alpha-beta pruning. The game is implemented as a web application using FastAPI, HTML, CSS and JS, providing both player vs. player and player vs. AI modes.
- **CleanTube** - [Live Link](#) | A distraction-free YouTube playlist player with note taking features. Developed using React.js, Redux, and the YouTube API.

Experience

- **Research Mentee** - [BSRI Program](#) June 2025 - Present
Contributing to a research on XAI and Computer Vision
- **Executive Member** - [IITSEC](#) May 2024 - Present

Achievements

- **Winner at - AI Hackathon 2025 (FINTECH category)** May 2025
AI Hackathon powered by Akij Resource and Mutual Trust Bank PLC, an initiative of Bangladesh Innovation Conclave, in collaboration with BRAC University and organized by Bangladesh Brand Forum
- **Special Mention Team - AI Engineering Hackathon 2025** April 2025
Poridhi presents AI Engineering Hackathon 2025, powered by Brain Station 23
- **Rising Star - Uxplorer Quest** Nov 2023
UI/UX design competition at CEFALO presents ITverse - 2023