

MD SHAKIBUL ISLAM SHAKIB

Phone: +08801774287258 | Email: bsse1404@iit.du.ac.bd

GitHub:shakib1404 | LinkedIn: Shakib Islam

EDUCATION

University of Dhaka - Institute of Information Technology	CGPA: 3.78 (till 5th semester)
Bachelor of Science in Software Engineering	Expected Date of Graduation: Sep 2026
Notre Dame College HSC	GPA: 5.00 Year: 2021
Thanahat AU Pilot Govt High School SSC	GPA: 5.00 Year: 2019

TECHNICAL SKILLS

Languages	C, C++, Java, Python, PHP, JavaScript, HTML/CSS/SCSS
Frameworks/ Libraries:	React.js, Node.js, Express.js, FastAPI, Spring Boot, Flask, Next.js, Bootstrap, Scikit-learn, Numpy, Pandas, Pygame, graphics.h
Tools:	VS Code, Eclipse, IntelliJ, Git, GitHub, MySQL, MongoDB, PostgreSQL, Docker, Postman, ThunderClient, NGINX ,Selenium

PROJECTS

House Rental App (MERN + Flask + ML): Nov 2024 – Mar 2025 Engineered platform with real-time chat, notifications, maps, rent prediction (XGBoost). Built secure APIs and a dynamic React frontend.

Graph Algorithm Visualizer (C/C++): August 2023 – December 2023 illustrated BFS, DFS, Dijkstra, Floyd-Warshall, Bellman Ford etc., with interactive graphics for both user inputs and file inputs.

Gomoku AI Game (Pygame) : May 2025 Implemented the Gomoku game (5 in a row) for a 10x10 board that supports player vs. AI mode. Developed and optimized an evaluation function for the Gomoku AI that plays reasonably well maintaining time efficiency. The program uses a minimax algorithm with alpha beta pruning to reduce search time.

Library System (FastAPI, MongoDB, Docker): April 2025 - May 2025 Built scalable microservice app using nginx.

Garments Inventory(Spring Boot+PostgreSQL) May 2025 -Developed maintaining a clean architectural system.

DUDS Management SRS: Jan 2024 – June 2024 Led the Software Requirements Specification design for the DUDS Management System, a comprehensive internal management application.

ACHIEVEMENTS & VOLUNTEERING

Finalist, IUT Open API Hackathon (Top 10)
Top 25, SUST Hackathon
JSC & SSC Govt. Scholarships
Volunteer: ITverse, FlutterFrenzy

RESEARCH & CERTIFICATIONS

- Co-author, ongoing research on child discipline using statistical modeling
- Certificate: LLMs in Industry & Academia (2025)

EXTRA-CURRICULAR ACTIVITIES

Executive Member: IITSEC | Organizing Secretary: IITDC | Member: NDC Abbritti Club, Math Club, DUITS, DUTS
Sports: IIT Cricket & Basketball Team | Enthusiast in TT & Football
Languages: Bengali (Native), English, French (Beginner)(IML,DU)