MD SHAKIBUL ISLAM SHAKIB

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EDUCATION

University of Dhaka - Institute of Information Technology   CGPA: 3.84 (till 4th semester)
Bachelor of Science in Software Engineering | Expected Date of Graduation: Sep 2026
Notre Dame College | Higher Secondary Certificate Examination | GPA: 5.00 | Year: 2021
Thanahat AU Pilot Govt High | Secondary School Certificate Examination | 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

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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, Floyed-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)