Alina Zaman

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EDUCATION

Bangladesh University of Engineering and Technology   Feb 2020 − Feb 2025
B.Sc. in Computer Science and Engineering;   *CGPA until 4-2 : 3.47/4.00*

Shaheed Bir Uttam LT Anwar Girls' College   2019
Higher Secondary Certificate (HSC);   *GPA : 5.00/5.00*

Agargaon Taltola Govt. Colony High School and College   2017
Secondary School Certificate (SSC);   *GPA : 5.00/5.00*

SKILLS

Languages: C/C++, Java, Python, JavaScript, SQL

Technologies: Node.js, React.js, Tailwind CSS, Spring Boot PostgreSQL, OracleDB, Git, Github workflow, PyTorch, TensorFlow

Methodologies: OOP, Functional Programming, DevOps

PROJECTS

Catch the Egg | *GitHub*

Language : C

- It's a simple yet fun IGraphics game where players use a basket to catch falling eggs. Each egg type either adds or deducts points. There are others things like bombs, large basket, and extra time that can help or hurt the player. C filesystem is used to store the game state and score.

Football Manager | *GitHub*

Language : Java, Java fxml

- A Football Management app built with Java and FXML, utilizing advanced features like networking and threading. It manages player databases with powerful search, filter, buy, and sell options, delivering a seamless and interactive user experience.

Lab Inventory Management System | *GitHub(Frontend) GitHub(Backend)*

Framework : React.js, TailwindCSS, Node.js, Express.js, PostgreSQL

- This is our final year software project designed to automate the management of CSE labs. The website features a role-based hierarchy, where each role has specific permissions and activities. It streamlines tasks such as equipment borrowing, clearance, tracking dues, and managing equipment stock, significantly reducing manual effort and improving overall lab operations.

Thoughts | *GitHub(Frontend) GitHub(Backend)*

Framework : React.js, TailwindCSS, Spring Boot, STOMP, Ollama(llama3.2)

- I built this website to support individuals during difficult times, inspired by platforms like *The Help Line.* It aims to connect people with therapists in Bengali and offers a safe space to share thoughts and struggles. The platform also includes a chatbot powered by LLaMA 3.2 for instant support. While still a work in progress, I've gained valuable experience with technologies like Spring Boot, React, Ollama, and Socket through its development.

myPortfolio | *GitHub*

Framework : React.js, TailwindCSS

- A personal website highlighting my education, skills, projects, research, etc.