

MOHAMMAD SHIHAB HOSSAIN

Computer Science Undergraduate

+8801984300480

shihab.dev@proton.me

Dhaka, 1219 Bangladesh

[Linkedin](#)

[Portfolio](#)

[Github](#)

SUMMARY

Highly motivated Computer Science undergraduate at American International University-Bangladesh (AIUB) with a robust background in AI research and software development. Proficient in deep learning, quantum computing, fullstack web development, and cybersecurity, with hands-on experience in machine learning, web, and mobile application projects. Fluent in 14 programming languages and dedicated to creating intelligent systems with real-world applications. Research interests include computer vision, natural language processing, and distributed systems, aiming to innovate technologies for a smarter future.

PROJECTS

AI & Robotics Landing Page

2022 [Github](#)

- Developed a modern landing page using **Next.js** and **Tailwind CSS** to showcase concepts in **artificial intelligence**.
- Applied best practices in **web development** to enhance user experience and interface design.
- Collaborated on project requirements and design specifications to ensure alignment with client expectations.
- Implemented responsive design principles to ensure compatibility across various devices and screen sizes.

VirsysNFT Marketplace Demo

2022 [Github](#)

- Developed a demonstration **NFT marketplace website** that explored **digital asset trading principles**.
- Utilized **Next.js**, **React**, and **Tailwind CSS** for the project.

PixelRacer 2D Game

2024 [Github](#)

- Developed a **fast-paced, top-down 2D car dodging game** using **Three.js**, **JavaScript**, and **HTML5**, showcasing **graphics programming skills**.
- Utilized **Three.js** for rendering and creating interactive game environments.
- Implemented **game mechanics** and user controls to enhance player experience.
- Employed **HTML5** for structuring game elements and improving performance.

Sanda-AI Discord Bot

2025 [Github](#)

- Developed an **AI-powered Discord bot** featuring a unique 'savage' personality to facilitate **witty interactions**.
- Utilized **Python** and **Discord.py** for bot creation.

EDUCATION

Bachelor of Science

American International University-Bangladesh

Expected in Dec 2028

High School Diploma

National Ideal College, 4.64/5

Dec 2023

SKILLS

Programming Languages: Python, Java, C++, JavaScript,
Web Development: Next.js, Tailwind, Database
Management: , Full Stack Development: , Penetration
Testing: , Machine Learning and AI , Research
Methodologies:

Accomplishments

- Achieved first place in the 10th National Scientist Mania 2022 for the development of 'VirsysAI,' a pioneering conversational AI system. The event took place at Govt. Science College, Tejgaon, Dhaka, on May 15, 2022.
- Secured first place at Notre Dame College, Dhaka, for the creation of an AI solution aimed at improving accessibility for visually impaired individuals on March 13, 2022.
- Received third place in a web design competition at Notre Dame College, Dhaka, for designing a visually appealing and responsive website utilizing Next.js and Tailwind CSS on March 13, 2022.

PUBLICATIONS

A Large Language Model is Not the Right Path to Bring Artificial General Intelligence

[7th IEOM Bangladesh International Conference](#)

Dec 2024

ACHIEVEMENTS

Dean's Award for Academic Excellence, Fall 2024-2025