

MAHIM AL MUNTASHIR BILLAH

SOFTWARE ENGINEER





About Me

I'm a passionate Computer Science student interested in Software Engineering, front-end web development and programming. I have a methodical approach to developing applications with a focus on user needs and goals. I am eager to apply my technical skills and collaborative approach to new challenges, including leadership opportunities within the academic community.



My research interest includes Artificial Intelligence, Internet of Things (IoT), Cybersecurity, Big Data & Data Mining. Instead, my interest is in how these technologies can be used to increase user interaction, make content more available and accessible, as well as provide safe environments in the cases of educational sites.



Graduation Thesis

Feb 2025 - Jun 2025

Nantong University

Title: Design and Implementation of Intelligent Agent Virtual Bird Based on Machine Learning.

Supervisor: Prof. Gao Zhan **Institution**: Nantong University,

Developed a Deep Reinforcement Learning (DRL) agent for a virtual bird, using Proximal Policy Optimization (PPO) to train autonomous flight in a simulated Unity 3D environment. Evaluated reward functions, policy architectures, and hyperparameters to enhance learning efficiency. The findings contribute to game AI, robotics, and autonomous navigation systems.

Education

• Masters - Computer Technology

Nanjing University of Posts and Telecommunications - www.njupt.edu.cn

CSC Silk Road Chinese Government Scholarship Holder - 2025

Bachelor - Computer Science and Technology

Nantong University - www.ntu.edu.cn

Score: 88.49%, GPA: 3.69/5.00

• HSC - Higher Secondary Certificate (Science)

R.C.C.I. Public School and College - www.rccipsc.edu.bd

Score: 91.5%, GPA: 5.00/5.00

Sep 2021 - Jun 2025 Nantong, Jiangsu, China

Nanjing, Jiangsu, China

Sep 2025 - Present

Jul 2018 - Jan 2021

Rangpur, Bangladesh

Projects

• MANDARIN JOURNEY

Chinese Language Learning Website - www.mandarinjourney.me



- Developed a **responsive** website to learn Chinese effectively for the absolute beginners.
- Emphasized simplicity and user-friendliness in design utilizing HTML, CSS and JavaScript.
- Continuously **expanding** learning materials to enrich user experience.

KATHY FOUNDATION

Charity Organization Website - www.kathyfoundation.org





- Designed a comprehensive website for the Kathy Justice Girls Educational Foundation using WordPress.
- Integrated information about the organization's activities, goals, causes, as well as leader details.
- Ensured the site is easily **navigable** and accessible to a **wide audience**.

CST21-NTU

Computer Science Department Website - www.mahimalmuntashir.github.io/CST21-NTU/





- Constructed a comprehensive website using **HTML**, **CSS**, and **JavaScript**.
- Curated essential **resources** for **current batch** students and prospective **freshmen**.

SURVIVAL RUN

A Running Adventure 2D Game - www.mahimalmuntashir.com/projects/SurvivalRun.html

- Designed and implemented a C/C++ based 2D adventure game.
- Utilized **custom Header files** to promote modular code organization.
- Leveraged SDL2 library functions to enhance problem-solving and game development proficiency.







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www.mahimalmuntashir.com

Experience

Fiverr and UpWork

• FRONT-END WEB DEVELOPER (Freelancer)

Apr 2022 - Present

Remote/Online

• Worked with multiple clients worldwide to build their portfolios, business websites, and organizational platforms.

• **SALES REPRESENTATIVE** (Part-Time)

Jan 2020 - Jun 2021

Rangpur, Bangladesh

Advanced Shopping LTD.

• Experienced Marketing System and Developed strong Leadership Ouality.

Skills

Python, Java, C/C++, SQL, Machine Learning, Data Structures and Algorithm, OOP. **Programming:**

Web Development: HTML, CSS, JavaScript, React, Tailwind, Bootstrap, WordPress.

Linux, VS Code, Git, GitHub, Unity 3D Game Development, Cloud Computing (AWS. **Software & Tools:**

Azure), Microsoft Office, Photoshop.

Natural Language Processing, Deep Learning, Reinforcement Learning, Pandas, NumPy, ML & AI:

Anaconda.

Agile Methodologies, Software Testing & Debugging, DevOps, Cloud Deployment, Problem Others:

Solving & Logical Thinking.

Chinese (HSK 4), English (Fluent), Bengali (Native), Urdu, Hindi, Arabic. Languages:

Certification and Achivement

• HSK 4 - Chinese Proficiency Test

March 2025

Nantong University

Nantong, Jiangsu, China

Achieved an HSK 4 certification with a total score of 228/300, demonstrating proficiency in listening, reading, and writing skills in Mandarin Chinese.

• Machine Learning with Python

FreeCodeCamp

Oct 2024 - Dec 2024

Online Course

Completed the Machine Learning with Python Developer Certification, representing approximately 300 hours of learning. Gained hands-on experience with machine learning concepts such as supervised and unsupervised learning, reinforcement learning, and real-world applications like recommendation systems and classification models. Earned this prestigious Certification upon successful completion of practical projects.

• CS50's Introduction to Programming with Python

Sep 2023 - Nov 2023 Online Course

Harvard University

Successfully completed the comprehensive 10-week course, showcasing adeptness in Python programming and **problem-solving** via practical **assignments** and a final **project**. This achievement led to the acquisition of a prestigious **Certificate**.

• MS Office Management & Graphics Design Training

Jun 2021 – Jan 2022

Bangladesh Technical Education Board

Gazipur, Bangladesh

Completed a 8-month intensive training program on MS Office Management & Graphics Design at the Youth Technical Training Center, Gazipur, securing an A+ grade. Gained practical skills in office management and professional graphic design.



Gao Zhan

Professor

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