

Rasheeq Ishmam

(205)8297760 | ri24c@fsu.edu | rishmam.me | linkedin.com/in/iamrasheeq

EDUCATION

Florida State University

MS in Computer Science, Major: Cybersecurity; GPA: 3.58

Florida, USA

01/25 – 08/26

University of Alabama at Birmingham

Master of Science in Cybersecurity; GPA: 4.00

Alabama, USA

08/24 – 12/24

North South University

Bachelor of Science in Computer Science and Engineering; GPA: 3.55

Dhaka, Bangladesh

09/18 – 12/22

- Graduated with the Cum Laude Distinction.
- Co-founded NSU Inception, a university group established to participate in national and international competitions and hackathons.

EXPERIENCE

Nippzon Technologies Co., Ltd.

Software Engineer

Dhaka, Bangladesh

January 2023 – August 2024

- Developed an artificial intelligence-based file analysis software for Japanese cable television stations and broadcast industry.
- Implemented video and audio anomaly detection such as black screen, video distortion, screen freeze, silence, loudness, and audio noise, to enhance broadcasting quality.
- Integrated algorithms to detect and correct Japanese text errors to improve content accuracy.

SKILLS

Languages: C++, Java, PythonSolidity, Swift, Dart, SQL

Libraries: Pandas, NumPy, PyTorch, RESTful APIs

Technologies: Docker, Flutter, LLVM, MySQL, PostgreSQL, JIRA, Git, Bash, Figma

PROJECTS

Bangla Conversational Agent Dialogue Dataset for Task-Oriented Food Ordering Platform

- The dataset consists of 1050 Bangla conversations, 13953 task-based dialogues, and 5187 annotations.
- We used the Food-Ordering domain of Taskmaster-2 as our primary dataset, and the dialogues were translated using Google Translate API.

HazardSafety | Dart, Flutter

- We developed an app-based solution to precisely determine the ideal separation distance for a range of chemical hazards.
- It allows chemical factory workers to gain knowledge about the substances they are using to prevent any chemical disaster.

Local File Synchronization Tool | C++

- Built a desktop utility to monitor a folder and automatically sync changes to a backup location.
- Implemented low-level system calls to monitor and sync files efficiently.

Bhumi-Potro | *Solidity*

- A decentralized system for protecting land and property ownership and secure transactions of lands using blockchain technologies.
- Our smart contracts could automate procedures like payments, approvals, and property transfers, reducing the need for intermediaries.

Hunter | *Python3, Django*

- Designed and implemented an inventory management system for the local market to handle their goods in a simpler way. The solution was constructed during a 72-hour hackathon.

AWARDS AND HONORS

4th Industrial Revolution Skills Summit - 1st Runners Up

North South University

Individual

March 16, 2023

- This honor is given for exceptional achievements in developing and using skills connected to the Fourth Industrial Revolution, including in robotics, the Internet of Things, and Artificial Intelligence. It demonstrates outstanding initiative and innovation in pursuing 4IR skills.

HackNSU Season 4 - 1st Runners Up

NSU ACM Student Chapter

NSU Inception

August 19, 2022

- North South University's ACM Student Chapter hosts the annual inter-university hackathon known as HackNSU. University teams from all around Bangladesh took part in the full-day hackathon and were given challenges to tackle problems related to current issues.
- We developed Blockchain NFC-based transport software to address issues that frequently arise in Dhaka's transport industry.

3rd KIBO Robot Programming Challenge - 4th place

JAXA

NSU Inception

June 27, 2022

- The KIBO Robot Programming Challenge is a competition hosted by the Japan Aerospace Exploration Agency (JAXA). In this competition, students tackle challenges usually faced in the International Space Station (ISS) using the free-flying robots called Astrobees and Int-Ball.
- Our team, "NSU Inception," collaborated with the "Virtue" team from the Tunisian Space Association to solve those given challenges, and we made it to the top 5 in Bangladesh's Preliminary Round.

HackNSU Season 3 - 1st Runners Up

NSU ACM Student Chapter

NSU Inception

November 26, 2021

- We used blockchain technology to solve accessibility problems rural people face in remote healthcare. We created a decentralized healthcare solution to give them a secure health record with easy access to specialized doctors.

2nd KIBO Robot Programming Challenge - 6th place

JAXA

NSU Inception

August 22, 2021

- The KIBO Robot Programming Challenge aims to inspire young students' interest in STEM through robotics and programming. Our team programmed the free-flying robot Astrobees to solve challenges typically faced in the space station. We secured a place in the top 10 in the national round.

The Blockchain Olympiad Bangladesh - Finalist

BCOLBD

NSU Inception

February 27, 2021

- Our project focused on a Blockchain-based system for monitoring electronic health records with a unique financial model for the patients. Out of 150 teams in the preliminary round, 20 teams advanced to the final round.