

MUHID HASSAN RISVY

mr2229@njit.edu [◇ Personal Website](#)

[GitHub](#) [◇ LinkedIn](#)

EDUCATION

New Jersey Institute of Technology

Fall 2024 - Current

Ph.D. in Computer Science

CGPA: 3.67/4.00

Shahjalal University of Science & Technology

May 2023

B.Sc. in Computer Science and Engineering

CGPA: 3.56/4.00 (3.85 in the last two years).

RESEARCH EXPERIENCE

Cybersecurity Research Center, NJIT

Fall 2024 - Current

The research domain focused on establishing the authenticity of software on the internet, with emphasis on typosquatting, a cybercrime where attackers register domains that are typo-versions of legitimate domains. I explored and analyzed defensive strategies and mitigation challenges, as well as the gaps in existing research.

Undergrad Thesis Summary: Security Analysis of Software-Based Cryptocurrency Wallets: Our research aims to identify the security issues and privacy concerns in cryptocurrency wallets. It uses vulnerability assessment tools and user reviews to evaluate the perceived security and usability. Both manual and machine learning approaches are used to analyze user reviews and determine the wallets' effectiveness in keeping cryptocurrencies secure.

TEACHING EXPERIENCE

Teaching Assistant

Fall 2024 - Current

New Jersey Institute of Technology

CS 351 Introduction to Cybersecurity

Fall 2024

CS 388 Android Application Development

Spring 2025

PROJECTS

COVID-19 Vaccine Supply Chain | [GitHub](#)

A blockchain project implementing a private blockchain-powered supply chain to establish end-to-end traceability for the COVID-19 vaccine, while guaranteeing secure distribution and transportation.

Technology: Hyperledger Fabric, Node.js, JavaScript, Apache CouchDB.

Text Summarization | [GitHub](#)

A machine learning project that summarizes Bangla language using unsupervised learning where users can get both abstractive and extractive summaries of their input text.

Technology: Python.

E-commerce & Bank | [GitHub](#)

API-based website to simulate the functionalities of e-commerce services among 3 different organizations i.e., Customer, Supplier, and a Bank for instant transactions.

Technology: Node.js, Express.js, MongoDB.

SUST CSE Community | [GitHub](#)

A social networking Android app that connects current students with the alumni of CSE dept, SUST.

Students can search using the alumni's name, batch, or current workplace.
Technology: Android Studio, Java.

RELATED COURSES AND SKILLS

Courses	CS 645: Security and Privacy in Computer Systems (A), CS 756: Mobile Computing and Sensor Networks (A)
Programming Languages	Solved 850+ problems on CodeForces , LeetCode , Vjudge , etc. C, C++, Java, Python, JavaScript, MATLAB

ACCOMPLISHMENTS

Bangladesh Blockchain Olympiad 2022 <i>Finalist</i>	June 2022
Bangladesh Blockchain Olympiad 2021 <i>Finalist</i>	February 2021

EXTRA-CURRICULAR ACTIVITIES

Soccer: Champion, Intra IICT Tournament, 2019
Table Tennis: Runners-Up, Intra-Department Tournament, 2022