# Porinita Hoque

Email : porinita1645@gmail.com | Website : porinita-hoque.github.io | LinkedIn : Porinita Hoque | GitHub : Porinita Hoque

## Summary

Highly motivated Computer Science graduate, with a strong interest in Software Quality Assurance (SQA), especially in web automation, API testing, and security testing. Seeking opportunities in entry-level SQA roles to leverage skills in ensuring robust software solutions.

## Education

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|---|---|---|
| Oct. 2022 – Present | *Master of Science in **Computer Science and Engineering*** <br> North South University, Dhaka, Bangladesh | Ongoing |
| Jan. 2017 – May 2022 | *Bachelor of Science in **Computer Science and Engineering*** <br> North South University, Dhaka, Bangladesh <br> Thesis - **Third Eye: Smart Eyeglass for the Blinds** | CGPA: 3.03 out of 4.00 |

## Experience

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| Mar. 2022 – Present | ***Teaching Assistant,*** Department of Electrical and Computer Engineering (ECE) <br> North South University, Dhaka, Bangladesh | TA supervisor : <br> **Md. Mahfuzur Rahman** |

## Technical Skills

- **Programming Languages :** C, C++, Java, Python
- **ML Tools :** TensorFlow, Keras, PyTorch, Scikit-learn, Seaborn
- **Database Management :** SQL, PL/SQL, PostgreSQL, MySQL
- **Automation Tools :** Cypress, Playwright, Selenium
- **Tracking Tools :** Jira, Trello

- **Web Development :** HTML, CSS, JS, Bootstrap, jQuery, PHP
- **Image Processing :** OpenCV, Pillow, SciPy, PIL, Haar Cascade, Caffe
- **Graphic Design :** Adobe Illustrator, Adobe Dreamweaver
- **Engineering Drawing :** AutoCAD, SolidWorks
- **Security Testing Tools :** BurpSuite, OWASP ZAP, Acunetix

## Selected Projects

More projects are available on: *GitHub*

- ASL Recognition using Sign Language MNIST : *Link*
- Parkinson's Disease Data Analysis : *Link*
- Cafeteria Management System (Java) : *Link*
- Result Processing System (PL/SQL) : *Link*
- Pharmacy Management System : *Link*

- CVD Prediction from BRFSS Dataset : *Link*
- Bangladeshi Students' MS & PhD Admission Analysis : *Link*
- Restaurant Management System (C++) : *Link*
- **SwagLabs basic automation (using Playwright) :** *Link*
- **Sample Web Automation (using Playwright) :** *Link*

## Seminars

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|---|---|---|
| 2022 | Study of Machine Learning Techniques on Accident Data | All seminars were organized by : ECE Department North South University (NSU) |
| 2022 | Soil Analysis and Unconfined Compression Test Study using Data Mining Techniques | |
| 2021 | Aquatic Iguana: A Floating Waste Collecting Robot with IoT-Based Water Monitoring System | |
| 2021 | Introducing Smart Grid Technologies in Bangladesh's Power System | |
| 2019 | Opportunities Career path in IT Audit and Assurance (Risk Advisory) at Deloitte | |

## License and Certifications

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|---|---|---|---|
| Sept. 2022 – Dec. 2022 | Responsive Web Design : CoderTrust | Jun. 2023 – Jul. 2023 | Intro to Machine Learning : Kaggle |
| Sept. 2022 – Dec. 2022 | Graphic Design : CoderTrust | Dec. 2023 – Present | Digital Marketing Specialization : Coursera |

## Extra-Curricular Activities

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| Jun. 2014 – Mar. 2016 | **Assistant General Secretary (Logistics)** – Viqarunnisa Noon Earth and Social Service Club <br> - Initiated and organized events, visits for projects, and competitions |
| Apr. 2017 – Mar. 2022 | **Executive Member** – NSU Computer and Engineering Club <br> - Organized workshops, seminars, and visits for projects and coursework at NSU |

## References

**Dr. Mahdy Rahman Chowdhury**
Associate Professor, ECE Department,
North South University, Dhaka, Bangladesh
Email : mahdy.chowdhury@northsouth.edu

**Dr. Md. Mahfuzur Rahman**
Assistant Professor, ECE Department,
North South University, Dhaka, Bangladesh
Email : mahfuzur.rahman05@northsouth.edu