

# Porinita Hoque

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## Summary

Highly motivated graduate student in Computer Science and Engineering, specializing in Machine Learning (ML), seeking opportunities to leverage academic foundation and professional experience to excel and contribute in cutting-edge technological advancements.

## Education

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

## Experience

Mar. 2022 – Present	<b>Teaching Assistant</b> , Department of Electrical and Computer Engineering (ECE) North South University, Dhaka, Bangladesh	TA supervisor : <b>Md. Mahfuzur Rahman</b>
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## Technical Skills

- <b>Programming Languages</b> : C, C++, Java, Python	- <b>Web Development</b> : HTML, CSS, JS, Bootstrap, jQuery, PHP
- <b>ML Tools</b> : TensorFlow, Keras, PyTorch, Scikit-learn, Seaborn	- <b>Image Processing</b> : OpenCV, Pillow, SciPy, PIL, Haar Cascade, Caffe
- <b>Database Management</b> : SQL, PL/SQL, PostgreSQL, MySQL	- <b>Graphic Design</b> : Adobe Illustrator, Adobe Dreamweaver
- <b>Automation Tools</b> : Cypress, Playwright, Selenium	- <b>Engineering Drawing</b> : AutoCAD, SolidWorks

## Selected Projects

More projects are available on: [GitHub](#)

- ASL Recognition using Sign Language MNIST : <a href="#">Link</a>	- CVD Prediction from BRFSS Dataset : <a href="#">Link</a>
- Parkinson's Disease Data Analysis : <a href="#">Link</a>	- Bangladeshi Students' MS & PhD Admission Analysis : <a href="#">Link</a>
- Cafeteria Management System (Java) : <a href="#">Link</a>	- Restaurant Management System (C++) : <a href="#">Link</a>
- Result Processing System (PL/SQL) : <a href="#">Link</a>	- Web Automation using Playwright : <a href="#">Link</a>
- Pharmacy Management System : <a href="#">Link</a>	- Online Phonebook : <a href="#">Link</a>

## Seminars

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

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

## Extra-Curricular Activities

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

## References

**Dr. Mahdy Rahman Chowdhury**  
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North South University, Dhaka, Bangladesh  
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