

Nabila Rahman

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PROFILE:

Acquired a Bachelor of Science (B.Sc.) degree with a major in Computer Science Engineering (CSE) and have a strong interest in the ever-evolving and revolutionary sector of technology. **Machine Learning and Deep Learning** are my research areas. I am looking for a Machine Learning Internship where I can use my skills and help my possible supervisor give accurate results. Seeking to use my skills at a respectable career growth organization.

EDUCATION:

Bangladesh University of Business & Technology (BUBT) , Dhaka-1216 , Bangladesh

Bachelor of Science (BS.c) in Computer Science and Engineering (CSE)

Major: Artificial Intelligence

CGPA: 3.28/4.00 (Last 2 semesters: 3.64) **Duration: 2020-2023**

Nabaganga Mahavidyalaya

Higher Secondary Certificate Examination (HSC)

CGPA: 4.17/5.00 Board: Jessore Group: Science Session: 2017-2019

Lohagara Pilot High School

Secondary School Certificate Examination (SSC)

CGPA: 5.00/5.00 Board: Jessore Group: Science Session: 2017

RESEARCH INTERESTS:

Machine Learning, Deep Learning, Cyber Security

RESEARCH EXPERIENCE:

Conference Publications:

Md Shamiul Islam, Nabila Rahman... “WebGuardML: Safeguarding Users with Malicious URL Detection using AI”.
(Accepted:[ICCTIT](#))

UNDERGRAD THESIS:

Empowering Bangla OCR with CNN and Deep Learning for Redefining Character Recognition.

Thesis Objective: Optical character recognition (OCR) is an important technology that allows scanned images of printed text to be converted into editable and searchable text data. For languages with large character sets like Bangla, developing highly accurate OCR systems remains a challenge. The goal of this project is to develop an OCR system to recognize printed Bangla scripts with high accuracy. Bangla has 50+ characters, including 11 vowel signs and two-part consonant conjuncts. The complexity of the script and the similarities between many characters make segmentation and recognition difficult. We will use recent advances Deep learning and convolutional neural networks to develop a custom model architecture optimized for recognizing Bangla text.

Supervisor: Md. Anwar Hussien Wadud

Assistant Professor, Department of CSE (BUBT)

Contact: +8801741585687

Email: mwadud@bubt.edu.bd

PROFESSIONAL EXPERIENCE:

- **Trainee, Cyber Security position** in Divine IT Limited
A training program of a collaborative effort between Enhancing Digital Government Economy (EDGE), IIT (Dhaka University) and Divine IT Limited to enhance skill and knowledge in the field of Cyber Security.
- **Member of BUBT IT CLUB**
Leading Different Communities with University Students as a member of the BUBT IT Club.
- **Member of BUBT Photography CLUB**
Leading Different Communities with University Students as a member of the BUBT Photography Club.

PROJECTS:

- **Quiz Application** - 2023; Languages & Tools- Java, Java-script, Xml
- **Patient Management System** - 2023; Language & Tools -HTML, CSS, MYSQL
- **Tic Tac Toe Game: Timeframe-** 2022 Languages & Tools - Python, HTML, CSS.
- **Mobile Banking Management System: Timeframe-**2022; Languages & Tools- C# & Microsoft MySQL.
- **Snake Game: Timeframe-** 2022; Languages & Tools- Python.
- **Payroll Management System: Timeframe-** 2021; Languages & Tools -C & C++.

ACHIEVEMENTS/CERTIFICATIONS:

- 1ST Runner-up in **Innovative Research Idea competition-2023**, Research poster presentation. Department of CSE(BUBT)
- 1ST Runner-up in **Innovative Research Idea competition-2023**, Idea pitching. Department of CSE(BUBT)
- Certificate of Achievement **The 2021 ICPC Asia Dhaka regional site online Preliminary Contest** 03- 03 September 2022
- Certification of completing **Regional Workshop on Networking Basics and Campus Network Design (WNBAND-3)**

TECHNICAL SKILLS & TOOLS:

- **Language (Programming)** : C, C++, JAVA (Basic), Python (Machine learning, Deep Learning)
- **Basic Web Language** : HTML, CSS, PHP, React.
- **Microsoft Office** : Microsoft Office, Microsoft PowerPoint, Microsoft Excel
- **Software & Tools** : Visual Studio, Google Collab, Android Studio, Latex, Draw.io, Zotero, Mendeley, GitHub, Notion, PyCharm, Canva
- **Operating System** : Windows
- **Others** : Networking, Leadership, Team management, Critical Thinking
: Communication, Teamwork & Collaboration, Adaptability

COURSE(S) ACCOMPLISHMENT AND CERTIFICATES:

- Complete python programming for beginners-2023 ([Udemy](#))
- Optical Character Recognition (OCR) Master Class in Python ([Udemy](#))
- Autonomous Mastery: Steering the Future of Self-Driving Cars ([Udemy](#))
- Accenture North America Data Analytics and Visualization Completion Certificate ([Forage](#))

LANGUAGE PROFICIENCY:

- Bengali: Bangladeshi Native proficiency;
- English
- Arabic (QURAN): Good User & Learner;
- Hindi (INDIAN Native): Good User & Learner;

REFERENCES:

Khan Md. Hasib

Assistant Professor

Department of Computer Science and Engineering

Bangladesh University of Business & Technology, Dhaka, Bangladesh

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