

Md. Badiuzzaman Pranto

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SUMMARY

Enthusiastic and highly-motivated Computer Science graduate with proven programming, research and leadership competencies who likes to take initiatives and seeks new challenges. Highly interested to be involved in researches which are conducted in the field of Artificial Intelligence (AI) and Internet of things (IoT).

EDUCATION

North South University

BS in Computer Science and Engineering; CGPA: 3.06/4.00; (86-87%)

Dhaka, Bangladesh

Jan 2015 – Dec 2019

Amtali Degree College

Higher Secondary Certificate; Science Group; GPA: 5.00/5.00;

Barguna, Bangladesh

2012 – 2014

Amtali A.K Pilot High School High School

Secondary School Certificate; Science Group; GPA: 5.00/5.00;

Barguna, Bangladesh

2010 – 2012

UNDERGRADUATE COURSEWORK

- **Elective Courses:** CSE445 Machine Learning, CSE482 Internet and Web Technology, CSE438 Data Communication and Network
- **CSE Core Courses:** CSE225 Data Structures and Algorithms, CSE373 Design and Analysis of Algorithms, CSE311 Database Systems, CSE323 Operating Systems Design, CSE327 Software Engineering, CSE425 Concepts of Programming Language, CSE231 Digital Logic Design, CSE332 Computer Organization and Architecture, CSE331 Microprocessor Interfacing and Embedded System
- **Mathematical Courses:** MAT125 Introduction to Linear Algebra, MAT350 Engineering Mathematics, MAT361 Probability and Statistics

PUBLICATIONS

- **Md. Badiuzzaman Pranto**, Sk Mehnaz, Sifat Momen, Syed Maruful Huq, “**Prediction of diabetes using cost sensitive learning and oversampling techniques on Bangladeshi and Indian female patients**”, In *2020 5th International Conference on Information Technology Research (ICITR)*, pp. 1-6. (doi.org/10.1109/ICITR51448.2020.9310892)
- **Md. Badiuzzaman Pranto**, Sk Mehnaz, Esha Binte Mahid, Imran Mahmud Sadman, Ahsanur Rahman, Sifat Momen, “**Evaluating Machine Learning Methods for Predicting Diabetes among Female Patients in Bangladesh**”, In *Information 2020*, vol. 11, pp. 374. (doi.org/10.3390/info11080374)
- **Md. Badiuzzaman Pranto**, Md. Mahidur Rahman, Zunayeed-Bin-Zahir, “**Vehicle Fuel Monitoring and Management using RFID authentication and Telematics Notification : An automated petrol refueling & notifying system**”, In *2019 International Conference on Advanced Computer Science and Information Systems (ICACSIS)*, pp. 477-482. (doi.org/10.1109/ICACSIS47736.2019.8979711)
- **Md. Badiuzzaman Pranto**, Md. Hasibul Alam Ratul, Md. Mahidur Rahman, Ishrat Jahan Diya, Zunayeed-Bin-Zahir “**Performance of Machine Learning Techniques in Anomaly Detection with Basic Feature Selection Strategy**”, In *2021 IEEE the 6th International Conference on Computer and Communication Systems (ICCCS)*, (Forthcoming)

EXPERIENCE

Software Engineer

Software Global Consultancy

Jan 2021 – Present

Dhaka, Bangladesh

- Projects:
 - Dhaka Bank’s E-Lending System (Loan Approval System).
 - Bangladesh Cadet College admission web application
- Core responsibilities:
 - Designing project structures.
 - Understand and analyse user requirements.
 - Design and test software application to ensure that it satisfies the requirements.
 - Follow proper software development life cycle (SDLC).
 - Write documentations.

Junior Programmer (back-end)
Software Global Consultancy

Sep 2020 – Dec 2020
Dhaka, Bangladesh

- Core responsibilities:
 - Design project structures with proper documentations.
 - Design database schema and present through relational diagrams.
 - Provide proper programming support for any given project.

SKILLS

- **Programming Languages:** Python (frequently used), JavaScript, Java, C, SQL, PHP, C++
- **Machine Learning and Visualization Libraries:**
 - Python based libraries: Numpy, Pandas
 - Machine Learning library: Scikit-learn
 - Visualization: Matplotlib, Seaborn
- **Web development:**
 - Framework: Django, Spring
 - Front-end: HTML, CSS, Bootstrap, Carbon, JQuery, Ajax, React
 - Visualization: Chart.js
- **Database:** Relational database - MySQL, SQLite and PostgreSQL
- **Version Control System:** Git
- **Micro-controllers and Micro-processors:** Arduino, PIC 167F877A, MCU 8051, MPU 8086
- **DevOps:** Docker, Prometheus, Grafana, Fluentd
- **Others:** Elasticsearch, REST API, Android, Logisim, MS Word, MS PowerPoint, MS Excel and L^AT_EX.
- **Languages:** Bengali (Native), and English (Proficient).

EXTRACURRICULAR ACTIVITIES

NSU ACM SIGBED Student Chapter
Founding chair

Dhaka, Bangladesh
Jan 2019 – Dec 2019

- NSU ACM Sigbed Student Chapter is the first Student Chapter on the embedded system in Bangladesh intended to be a focal point within ACM for all aspects of embedded computing systems, including both software and hardware. It was a proud moment for me to be the *founding chair* of this community where we introduced the following events within North South University:
 - Tech-Talk on PLC in Industrial Automation.
 - Workshop on PLC Programming & Industrial Automation.
 - Workshop on Introduction to ARM Cortex M4 micro-controller.

NSU ACM Student Chapter
Treasurer

Dhaka, Bangladesh
Dec 2017 – Dec 2018

- NSU ACM Student Chapter primarily serves the wide scope of ACM to advance computing as a science & profession by supporting and training the students of North South University. I was elected as a treasurer for the community and successfully maintained the treasury for one year. I was solely responsible for handling the official documents as well as preparing the budget of the events. During my tenureship, along with many events, the community organized its biggest event, "*Technovation*", for the first time with a budget of approximately USD 17719.91.

REFERENCES

- **Dr. Sifat Momen**
Associate Professor, Department of Electrical and Computer Engineering, North South University.
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- **Mr. Zunayeed Bin Zahir**
Lecturer, Department of Electrical and Computer Engineering, North South University.
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