

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. The career objective is to work for an organization which provides the opportunity to improve skills and knowledge to grow along with the organization's objective.

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

EXPERIENCE

Software Engineer

Software Global Consultancy

Jan 2021 – Present

Dhaka, Bangladesh

- Software global consultancy, also known as SGC is an offshore software company offering enterprise, web and mobile based solutions to world wide clients since 2007.
- 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.

PROJECTS

- **An e-commerce platform for medicine delivery using Django:** An e-commerce website created with Django, SQLite, JQuery, HTML, CSS, Bootstrap etc. The mention-able functionalities are: real-time email notification, invoice generation and medicine suggestions.
- **Performance of machine learning techniques on intrusion detection:** The purpose of this project was anomaly detection from an incoming network packet using machine learning techniques. A bunch of classifiers and their ensemble approach were evaluated using NSL-KDD dataset and found a competitive performance compared to the existing works.

PUBLICATIONS

- **Md. Badiuzzaman Pranto**, Sk Mehnaz, Sifat Momen and Syed Maruful Huq “**Prediction of diabetes using cost sensitive learning and oversampling techniques on Bangladeshi and Indian female patients**”, In *5th International Conference on Information Technology Research (ICITR 2020)*.
🔗 <https://doi.org/10.1109/ICITR51448.2020.9310892>
- **Md. Badiuzzaman Pranto**, Sk Mehnaz, Esha Binte Mahid, Imran Mahmud Sadman, Ahsanur Rahman, and Sifat Momen, “**Evaluating Machine Learning Methods for Predicting Diabetes among Female Patients in Bangladesh**”, In *Information 2020*, 11, 374.
🔗 <https://doi.org/10.3390/info11080374>
- **Md. Badiuzzaman Pranto**, Md. Mahidur Rahman, Zunayed-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 (ICACSYS)*, pp. 477-482.
🔗 <https://doi.org/10.1109/ICACSYS47736.2019.8979711>

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 \LaTeX .
- **Languages:** Bengali (Native), and English (Proficient).

EXTRACURRICULAR ACTIVITIES

NSU ACM SIGBED Student Chapter Chair

North South University, Dhaka
January 2019 – December 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

North South University, Dhaka
December 2017 – December 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. 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.