

Niloy Rahman

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Academic Credentials

North South University, Bangladesh

Bachelor Of Science, Computer Science & Engineering

[Jan 2018 – April 2022]

Cumulative GPA: 3.81/4.00

BirShrestha Noor Mohammad Public College (English Version), Bangladesh

SSC, HSC

[2015, 2017]

GPA: 5, 4.83 (respectively)

Research Interests

Machine Learning Computer Vision Data Mining Cryptography Deep Learning NLP

Work Experience

Banglalink Digital Communications Ltd.

[May 2023 – Present]

Role: Executive, Content Management

Responsible for overseeing the entire backend infrastructure, with a primary focus on optimizing the Cashbacks and Drives modules. My role encompassed various critical responsibilities:

- **Backend Management:** Spearheaded MyBL app's backend, ensuring its smooth and efficient operation. This included database management and system scalability.
- **Push Notifications:** Managed and maintained the push notification system for the MyBL app. This involved crafting engaging and timely notifications to enhance user engagement and retention.
- **User Acceptance Testing (UAT):** Responsibilities extended to conducting UAT in a punctual manner. During these tests, I meticulously identified and documented issues, and proactively communicated them to the relevant teams for resolution.
- **Data Analysis:** Entrusted with the task of analyzing data related to the MyBL app, including user reviews on the Google Play Store. My role included data labeling and classification, which contributed to actionable insights for continuous app improvement.
- **Cross-Departmental Collaboration:** Ensured effective communication by raising critical issues and feedback to the concerned departments. This collaborative approach fostered a culture of continuous improvement.

Python Partners

[June 2023 – Oct 2023]

Role: Software Developer (Intern)

- **Interactive Rulebook:** I was responsible for developing an interactive rulebook for NSU (mention the full form if necessary) that effectively communicated all rules using an interactive methodology. This project showcased my ability to convey complex information in an engaging and accessible manner. [\[link\]](#)
- **Data Analysis:** I possess strong data analysis skills, employing Python libraries such as NumPy, scikit-learn, and other state-of-the-art tools to analyze gathered data. This allowed for informed decision-making and actionable insights and integrating them to the Django Website.
- **Quality Assurance:** I managed various User Acceptance Testing (UAT) and post-testing methodologies to ensure the reliability and functionality of the Django application for production use. This included rigorous testing and issue resolution.

- **Version Control:** Proficient in Git version control, I have collaborated seamlessly with cross-functional team members to manage code repositories, streamline development workflows, and ensure efficient project coordination.

Fiverr

[Jan 2018 – Present]

Role: Freelance Web, Artificial Intelligence, Data Mining & Unity Game Development

- **Fastneasytax API Integration:** I played a pivotal role in the development of [\[fastneasytax\]](#) by developing, troubleshooting, and seamlessly integrating APIs for spam protection. This involved addressing critical issues and ensuring a secure and efficient user experience. [\[link\]](#)
- **Web Scraping Expertise:** I harnessed my web scraping skills using Python, Selenium, and BeautifulSoup 4 to collect valuable business institute information. This data included email addresses, phone numbers, and dedicated points of contact (POC), which were meticulously stored for further analysis and use.
- **Unity Carrom Board Application:** I undertook a challenging project to develop a Unity-based Carrom Board application from scratch. This involved the implementation of C# scripts and 2D physics within the game environment, resulting in a highly engaging and enjoyable gaming experience. [\[link\]](#)
- **Deep Learning Projects:** I leveraged my expertise in deep learning by successfully completing various projects, including multi-class classification using Convolutional Neural Networks (CNNs) and TensorFlow. These projects showcased my ability to work with complex algorithms and large datasets to achieve accurate results. [\[link\]](#)

Technical Skills

Programming Languages : 1. Python, 2. C++, 3. JAVA, 4. MATLAB, 5. LaTeX

Query Languages : 1. SQL

Industry Knowledge : 1. Machine Learning, 2. Deep Learning, 3. Computer Vision.

Libraries : 1. Tensorflow, 2. PyTorch

Version Controlling : 1. Git

Awards

1. **Summa Cum Laude.**
25th Convocation, North South University – Dhaka, Bangladesh
2. **Tuition Fee Waiver**
Financial Aid Office (FAO), North South University. Upto 50% Scholarship based on merit

Projects

1. Multiclass classification and detection of COVID infected x-ray images using feature extraction technique in DenseNet architectures. (Achieved 97% validation accuracy rate) [\(Code\)](#)
2. Persistent Bloom Filter, Python. [\(Code\)](#)
3. Thesis: Padchest, An X-ray images Dataset, Classification. [\(Code\)](#)
4. Unity Carrom Board Game. [\(Code\)](#)
5. CharitAble. A Donation & FundRaising Website. [\(Code\)](#)
6. Discord Bot, A discord Bot to stream music, Text and Mentions [\(Code\)](#)
7. Portfolio Website. [\[link\]](#)

Standardized Test Scores

IELTS Academic Test

Overall: **7.5/9**

Listening: 8.5, Reading: 7.5, Writing: 6.5, Speaking: 7.0