

# Nasir Uddin Ahmed

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## CAREER OBJECTIVES

As a passionate Data Analyst with expertise in AI, data governance, and visualization, I seek to transition into academia as a CSE lecturer. My goal is to leverage my industry experience, research background, and academic excellence to inspire and educate future computer scientists, fostering practical skills, innovative thinking, and collaborative problem-solving.

## EDUCATION

- Universiti Malaya (UM)** Kuala Lumpur, Malaysia  
*Master of Data Science; CGPA: 3.82/4.00* *October 2022 - July 2024*  
*Class: Pass (With Distinction)*  
*Courses: Research Methodology, Data Science Research Project, Programming for Data Science, Machine Learning, Principles of Data Science, Data Mining, Numerical Optimization, Parallel and Distributed Computing, Data Analytics, Big Data Management.*
- United International University (UIU)** Dhaka, Bangladesh  
*Bachelor of Science in Computer Science and Engineering; CGPA: 3.71/4.00* *March 2015 - October 2019*  
*Class: Magna Cum Laude*  
*Courses: Artificial Intelligence, Structured Programming Language, Data Structure, Algorithms, Database Management Systems, Discrete Mathematics, Numerical Methods, Object-Oriented Programming, Operating System Concepts, Software Engineering, System Analysis and Design, Theory of Computing, Computer Graphics, Computer Networks, Computer Architecture, Data Communication, Digital Logic Design, Digital System Design, Capstone Project.*
- Dhaka Residential Model College** Dhaka, Bangladesh  
*Higher Secondary Certificate; GPA: 4.60/5.00* *2012 - 2014*
- Port Authority High School** Chittagong, Bangladesh  
*School Secondary Certificate; GPA: 5.00/5.00* *2010 - 2012*

## SKILLS SUMMARY

- Languages:** Python, PHP, C, JavaScript, SQL, Bash, JAVA, R, HTML, CSS
- Frameworks:** scikit-learn, PyTorch, TensorFlow, Pandas, NumPy, Matplotlib, seaborn
- Tools:** Power BI, Tableau, Talend, SAS Enterprise Miner, Apache Spark, HTCondor
- Platforms:** Linux, Web, Windows, AWS, Hadoop, Shopify, Wordpress

## EXPERIENCE

- Hadodo IT Ltd** Remote, Singapore  
*Data Scientist (Part Time)* *July 2023 - Present*
  - Leveraged expertise in data analysis and machine learning to extract actionable insights from diverse datasets, driving data-driven decision-making processes.
  - Developed predictive models and analytical solutions to solve complex business problems and enhance operational efficiency.
- Stampede Solution** Hybrid, Malaysia  
*Internship (Contractual)* *April 2024 - May 2024*
  - Conducted large dataset collection and cleaning efforts, ensuring accuracy of dataset and reliability to optimize the Debt Collection System.
  - Leveraged Power BI to create interactive dashboards, providing stakeholders with valuable insights and enhancing data visibility and decision-making processes.
  - Collaborated with cross-functional teams to identify actionable insights from datasets, streamlining debt collection strategies. Actively participated in training sessions to enhance data analysis skills, aligning with StampedeSolution's leadership in the Debt Collection System sector.
- Hadodo IT Ltd** Onsite, Bangladesh  
*Co founder & CTO (Fulltime)* *April 2021 - June 2023*
  - Spearheaded the expansion service offerings, ensuring the company remained competitive in emerging markets by anticipating industry trends and aligning technological roadmap with business goals.
  - Led the design and development of comprehensive web applications, balancing frontend and backend requirements to create seamless user experiences.
- Hadodo IT Ltd** Onsite, Bangladesh  
*Co founder & Full Stack Developer (Fulltime)* *October 2020 - March 2021*

- Managed multiple projects in diverse geographies including South and South East Asia, Australia, and US, meeting stakeholder's expectations.
- Played a pivotal role in the design and development of web applications, adeptly crafting clean code for frontend and backend systems while creating APIs and RESTful services. Demonstrated versatility by seamlessly integrating features with both Shopify and WordPress platforms to optimize eCommerce functionality and user experience.
- Expertly crafted and implemented multiple Payment Gateway for client's e-commerce sites for diverse markets.
- Implemented advanced analytics tools including Google Analytics, Google Tag Manager, and Facebook Pixel into web applications, empowering precise audience tracking and retargeting strategies to generate quality leads. Collaborated closely with cross-functional teams to pioneer Stop Motion Animation initiatives, enriching digital projects on Shopify and WordPress platforms.

#### Maple Hope

Remote, Bangladesh

October 2019 - September 2020

#### Web Developer (Fulltime)

- Spearheaded the design and development of visually appealing and user-friendly websites for Maple Hope's clients, ensuring optimal functionality across various devices and browsers.
- Managed and updated web content regularly, maintaining the integrity and relevance of Maple Hope's online presence while adhering to brand guidelines and industry best practices.

## PROJECTS

- **Cyberbully Detection in Sports on Social Media (NLP, Deep Learning, TensorFlow, Bidirectional GRU, Python):** This research tackles cyberbullying in sports using data science and machine learning, developing a real-time detection system on sports-related social media. Evaluating various models, deep learning architectures, especially Embedding + Bidirectional GRU + Conv1D, proved most effective, despite resource demands and challenges with large, sparse matrices in count vectorization.
- **Aspect-Based Sentiment Analysis on Sarcasm (NLP, BERT, Deep Learning, Python):** This research compares BERT combined with RNN and CNN for aspect-based sentiment analysis. The embeddings used in this research are contextualized word embeddings generated by the BERT model. Both models were trained and evaluated, with early stopping applied to prevent overfitting. Results showed that BERT+CNN slightly outperformed BERT+RNN in terms of accuracy and F1 score, indicating better overall performance in sentiment classification.
- **BanglaMusicMooD: A Music Mood Classifier from Bangla Music Lyrics (Ensemble Technique, Support Vector Machine, Term Frequency-Inverse Document Frequency, Python):** BanglaMusicMooD successfully demonstrated the potential for accurately classifying the mood of Bangla music through lyrical analysis. The use of an ensemble technique with SVM and TF-IDF for feature extraction proved effective in this context.
- **Analyzing Food Nutrition Consumption Trends Using Machine Learning To Improve Dietary Habits (Consumption Trends, Machine Learning, Dietary Habits, Clustering, Anomaly Detection, Python):** The research successfully demonstrates the application of machine learning in analyzing dietary habits, offering valuable insights for improving nutrition consumption trends. By categorizing users into dietary groups and detecting anomalies, the study provides a foundation for personalized dietary advice and early intervention strategies. The findings underscore the potential of integrating advanced analytics into dietary tracking applications to enhance individual health outcomes and inform broader nutritional research.

## PUBLICATIONS

- **Conference Paper (Submitted):** "Cyberbully Detection in Sports on Social Media" Submitted to the International Conference on Frontier in Computer Science and Information Technology (FOCUS-2024, Malaysia).
- **Conference Paper:** Nazia Parvin Urmi, Nasir Uddin Ahmed, Md. Habibur Rahman Sifat, Professor Salekul Islam, and Assistant Professor Abu Shafin Mohammad Mahdee Jameel. BanglaMusicMooD: A Music Mood Classifier from Bangla Music Lyrics, in Proceedings of the International Conference on Mobile Computing and Sustainable Informatics (ICMCSI-2020, Nepal), Springer, 2020.

## HONORS AND AWARDS

- Pass with Distinction, Master of Data Science, University Malaya - July, 2024
- 3rd Place - PKI (Public Key Infrastructure) Drill - 2023 Organized by The Controller of Certifying Authorities (CCA), Ministry of ICT, Bangladesh.
- IELTS Academic Overall Band: 7.0 (Sep 2021).

## VOLUNTARY ACTIVITY

- **International Committee of the Red Cross (ICRC) :** February 2021, attended and completed the Introductory Training on First Aid organized by the International Committee of the Red Cross (ICRC) at the Bangladesh Red Crescent Society (BDRCS) Training Room, Dhaka. The training covered COVID-19 awareness, vaccination, basic first aid, choking management, CPR, and wound care, enhancing the ability to assist in emergencies and contribute to community health and safety.

## REFERENCES

- **Associate Prof. Dr. Maizatul Akmar Binti Ismail :** Department of Information System, Faculty of Computer Science and Information Technology, University Malaya. Email: maizatul@um.edu.my
- **Abu Shafin Mohammad Mahdee Jameel:** Assistant Professor (On Leave), Department of Computer Science and Engineering United International University, Dhaka, Bangladesh. Email: amahdee@purdue.edu