

Md Masum Billah

Contact

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Education

Erasmus Mundus Master

Data Intensive Intelligent Software
Systems, Double Degree EDISS
Åbo Akademi University, Finland
CGPA: Ongoing

Bachelor of Science

Software Engineering
Daffodil International University
CGPA: 3.95 (Out of 4.00)
Merit Position: First

Research Interest

Machine Learning, Deep Learning,
Medical Imaging

Language Proficiency

IELTS Overall Score: 7

Key Skills

Hard Skills: PowerBI, Python, SQL,
Excel, PowerPoint, SAS, Beautiful
Soup, Selenium, Html-5, CSS-3,
JavaScript, Bootstrap, PHP, Node.js,
Python, C, Java (OOP), Ajax,
jQuery, Latex.

Soft Skills: Leadership, Group work.

Scholarships and Fellowships

- Erasmus Mundus Scholarship (49,000 €) - European Union, 2023
- Research Grant (~2,000 €) - Bangladesh Council of Scientific and

Objective

Detail-oriented and highly motivated individual with a robust academic background in Data-Intensive Intelligent Software Systems and a proven track record in machine learning and deep learning research. Seeking an AI & Business Analyst Intern position to apply my expertise in data analysis, visualization, and decision-making, gained through hands-on projects, and a comprehensive understanding of various programming languages. Eager to contribute my skills in a dynamic environment and continue developing a successful career in data analysis and intelligence.

Experience

May 2021 – June 2023 (Study leave)

Lecturer

Faculty of Science and Information Technology
Daffodil International University.

January 2020 – May 2021

Lecturer

Department of Computer Science and Engineering
European University of Bangladesh.

August 2018 – June 2023

Research Student

Advanced Photovoltaic Lab,
Institute of Fuel Research and Development (IFRD),
Bangladesh Council of Scientific and Industrial Research (BCSIR)

July 2019 – December 2019

Assistant Network Engineer

High-Tech Engineering & Technologies Ltd.

Projects

- FlightFlow Insights: Data-Driven Journey Planning. (Web scraping, data analysis, visualization and decision making)
- GradeCraft: Predictive Modeling for Online Learning Success. (Preprocessing, visualization, decision making based on insights)
- NetInsight: Unveiling Organizational Dynamics through Email Network Analysis. (Network analysis, find insights and decision making)
- TasteCanvas: Web Harvesting and Visual Analytics for SkinnyTaste Recipes. (Web scraping, data analysis and visualization and decision making)
- FeatureFusion: A Comparative Study of Feature Selection in Linear Regression vs. Random Forest for Boston Housing Prediction.
- SocialCircle Dynamics: Reproducing and Analyzing Trajectory Prediction Enhancements with Social Interaction Models.

- Industrial Research (BCSIR), 2021.
2. Research Grant (~1,000 €) – Bangladesh Council of Scientific and Industrial Research (BCSIR), 2019.
 3. Research Grant (~ 500 €) – Bangladesh Council of Scientific and Industrial Research (BCSIR), 2018.
 4. Tuition fee waiver (~5,000 €) – Daffodil International University (Merit-based Scholarship), 2015-2019.
 5. Prize money (~500 €) – Project exhibition fair Daffodil International University, 2019.
 6. Prize money (~100 €) – Project exhibition fair Daffodil International University, 2017.
 5. SSC-2023 Scholarship (~ 200 €) - Board of Intermediate and Secondary Education, Jashore, 2012.

Awards

1. Champion – Math Olympiad, organized by Bangladesh Mathematical Olympiad Committee, Dhaka and Youth Ending Hunger-Bangladesh, 2011.
2. Champion – Project exhibition fair Daffodil International University, 2019.
3. 2nd runner up – Project exhibition fair Daffodil International University, 2019.
4. Runner up – Project exhibition fair Daffodil International University, 2017.
5. 3rd Prize- User Study & Experience Research Hub (Userhub) t/a Userhub.,2016.
6. 2nd position – High school government scholarship examination in 2009 at class Eight.
7. 4th position – Primary school government scholarship examination in 2006 at class Five.

7. Diabetes Prediction Using Support Vector Machines (SVM).
8. Web application for Advanced Photovoltaic Lab, Bangladesh Council of Scientific and Industrial Research. (BCSIR).
9. MSCS-1D simulator Version 1.
10. MSCS-1D simulator version-2.
11. Website for Cosmic IT (IT company).
12. E-Newspaper.
13. Website for a publisher company.

Research publication title

1. Sentiment analysis on twitter tweets about COVID-19 vaccines using NLP and supervised KNN classification algorithm.
2. Deep learning predictive model for colon cancer patient using CNN-based classification.
3. Implementation of deep learning methods to identify rotten fruits.
4. Face Mask Detection using Convolutional Neural Network (CNN) to reduce the spread of COVID-19.
5. A deep learning approach for face detection using max pooling.
6. Comparative study on solar cell simulators.
7. Bangla numerical sign language recognition using convolutional neural networks.
8. A comprehensive study on pre-pruning and post-pruning methods of decision tree classification algorithm.
9. A novel simulator of multijunction solar cells - MSCS-1D.
10. Classification of breast cancer cell images using multiple convolution neural network architectures.
11. Bearing Fault Detection based on Internet of Things using Convolutional Neural Network.
12. Simulation and performance optimization of high efficiency triple-junction solar cells using an advanced MSCS-1D simulator.

Organizational Skills

1. Event Coordinator, Google Hacking Contest, organized by ITM - November 2023.
2. Event Coordinator and Judge, National Hackathon for Cyber Security@FinTech jointly organized by ICT Ministry and Daffodil International University, January 2022.
3. Event Organizer, Google Hacking Contest, Cyber Security awareness day - November 2022.
4. Organizer, Seminar on “Initiatives of impactful research: emphasize on management domain.” - November 2022.
5. Member, Exam Committee, Faculty of Science and Information Technology, DIU - (Spring 2022 to Spring 2023).
6. Event Organizer, Workshop on Financial Technology (FinTech) - September 2022.
7. Member, Syllabus Committee, Faculty of Science and Information Technology, DIU - (Spring 2022 to Spring 2023).