Al Amin

📍 Housebuilding, Sector-6, Uttara, Dhaka-1230, Bangladesh ✉ alaminbhuyan321@gmail.com

📞 +880 1878750315 🔗 Personal Website 🔗 LinkedIn 🔗 GitHub

Career Objective

To secure a dynamic and challenging role within an organization, where I can enhance my skills, take on leadership responsibilities, and contribute to the organization's growth through the application of my technical, innovative, and logical abilities.

Education

American International University of Bangladesh (AIUB) *June 2023 – Dec 2024*
Master of Science – MS, Computer Science. (Major: Intelligence Systems)
- CGPA: 3.68/4.0

Uttara University *Jan 2019 – Dec 2022*
Bachelor of Science – BS, Computer Science & Engineering
- CGPA: 3.93/4.0

Mehnaz Hossen Mim Adarsha College *July 2015 - July 2017*
Higher Secondary Certificate (HSC)
- GPA: 3.25/5.0

Jonab Ali High School *May 2013 - May 2015*
Secondary School Certificate (SSC)
- GPA: 4.61/5.0

Job Experience

Lecturer (Adjunct) *Uttara, Dhaka-1230*
Uttara University, Department of CSE *Feb 2024 – Present*
- Conducting undergraduate classes, delivering lectures on foundational and intermediate topics, and ensuring interactive and engaging learning environments.
- Preparing comprehensive course materials, including lecture slides, assignments, quizzes, and practical exercises, aligned with the curriculum and academic standards.
- Advising and mentoring students on academic performance, career planning, and fostering their professional growth and development.
- Engaging in administrative and departmental activities such as curriculum development and exam invigilation as per university policies.

Software Developer Intern *Gulshan, Dhaka-1212*
Nimusoft Technology LTD. *May 2023 – July 2023*
- Code Development: Write and maintain clean, efficient Python code for various applications.
- Testing and Debugging: Create and implement unit tests, debug, and resolve issues to ensure software reliability.
- Documentation: Produce comprehensive documentation for code, APIs, and systems to aid understanding and future maintenance.
- Collaboration: Work closely with cross-functional teams and communicate progress, challenges, and solutions.
- Performance Optimization: Identify and address performance bottlenecks, optimize code, and work on scalability strategies.

Research Publications

- A. Amin, A. Sarkar, M. M. Islam, A. A. Miazee, M. R. Islam and M. M. Hoque, "Sentiment Polarity Analysis of Bangla Food Reviews Using Machine and Deep Learning Algorithms," 2024 3rd International Conference on Advancement in Electrical and Electronic Engineering (ICAEEE), Gazipur, Bangladesh, 2024, pp. 1-6, doi: 10.1109/ICAEEE62219.2024.10561876. ☑

- M. R. Islam, A. Amin and A. N. Zereen, "Enhancing Bangla Language Next Word Prediction and Sentence Completion through Extended RNN with Bi-LSTM Model On N-gram Language," 2024 3rd International Conference on Advancement in Electrical and Electronic Engineering (ICAEEE), Gazipur, Bangladesh, 2024, pp. 1-6, doi: 10.1109/ICAEEE62219.2024.10561739. ☑

- M. R. Islam, M. M. Islam, M. S. Afrin, A. Antara, N. Tabassum and A. Amin, "PhishGuard: A Convolutional Neural Network-Based Model for Detecting Phishing URLs with Explainability Analysis," 2024 3rd International Conference on Artificial Intelligence For Internet of Things (AIIoT), Vellore, India, 2024, pp. 1-6, doi: 10.1109/AIIoT58432.2024.10574688. ☑

- Roy, Tonmoy, Md Robiul Islam, Asif Ahammad Miazee, Anika Antara, Al Amin, and Sunjim Hossain. "English offensive text detection using CNN based Bi-GRU model." arXiv preprint arXiv:2409.15652 (2024). ☑

Projects

Image Caption Generation   *github.com/repo* ☑

- Developed a Collaborative Platform for Generating Descriptive Image Captions with Real-Time Synchronization
- Tools Used: Python, Streamlit, Transformer models

Person Identification & Attendance System   *github.com/repo* ☑

- Developed a system that will automatically identify a person and take her attendance to the excel sheet.
- Tools Used: Python, CV2, Face recognition, Numpy, Openpyxl

Fashion Recommendation System   *github.com/repo* ☑

- Developed a fashion recommendation system that provides personalized clothing and accessory suggestions based on user preferences and trends.
- Tools Used: Python, Numpy, Scikit-learn, TensorFlow

Content-Based Movie Recommendation   *github.com/repo* ☑

- Developed a machine learning model to recommend movie based on content. This model suggests related movie as their similarity.
- Tools Used: Python, Streamlit, Scikit-learn, Numpy, Pandas, NLTK

Book Recommendation   *github.com/repo* ☑

- Developed a machine learning model to recommend book based on content. This model suggests related book as their similarity.
- Tools Used: Python, Flask, Scikit-learn, Numpy, Pandas

Which Bollywood Celebrity Are you?   *github.com/repo* ☑

- Used a transfer learning technique "VGGFace2" model trained 100 Indian celebrity. This model can fetch the similar face if someone face is related any Bollywood celebrity.
- Tools Used: Python, Streamlit, TensorFlow, Keras, Numpy

Technical Skills

Programming Languages: Python, C, C++, Java, SQL, JavaScript, LaTeX.

Data Science: Basic Statistics, Machine Learning, Deep Learning, Data Visualization, Data Cleaning, Structure Modeling.

Libraries/Frameworks: Tensorflow, PyTorch, HuggingFace, StreamLit, Django, Flask, Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn.

Tools: PyCharm, Jupyter Notebook, Spyder, Vs Code, Postman, GitHub, MySQL.