



Shakil Ahmed

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ABOUT ME

A highly motivated Computer Science graduate with a profound understanding of programming languages and application frameworks. Shakil Ahmed has a strong educational background and enjoys collaborating on **Computer Science** research.

EDUCATION AND TRAINING

Master of Science

American International University-Bangladesh (AIUB) [2021]

Field(s) of study: Computer Science (Major: Intelligent Systems)

Final grade: 4.00 out of 4.00

Thesis: Attention-Based Bi-LSTM and Sequential LSTM for Describing Video in the Textual Formation.

Bachelor of Science

American International University-Bangladesh (AIUB) [2020]

Field(s) of study: Computer Science

Final grade: 3.86 out of 4.00

Thesis: An Observation of Vision Based Underwater Object Detection and Tracking.

WORK EXPERIENCE

Lecturer and Trainer

Cross-platform Mobile Application Development - Under ICT Division [01/08/2021 – 31/01/2022]

Skills Gained: Teaching, Flutter framework, Dart programming Language, UI design, Firebase database, RestAPI.

Responsibilities:

- Supervised 160 students and taught Flutter framework and Dart programming.
- 16 projects were developed by the students under my supervision.

Teaching Assistant [JAVA Lab]

American International University-Bangladesh (AIUB) [01/06/2019 – 31/08/2019]

Responsibilities:

- Helped students who need extra support,
- Supervision of group projects, Assisted the faculty member in lab.

RESEARCH PUBLICATIONS

Journal Articles

[1] **Ahmed, S.**, Saif, A. F. M. S., Hanif, M. I., Shakil, M. M. N., Jaman, M. M., Haque, M. M. U., Shawkat, S. B., Hasan, J., Sonok, B. S., Rahman, F., & Sabbir, H. M. (2021, December 29). Att-BiL-SL: Attention-Based Bi-LSTM and Sequential LSTM for Describing Video in the Textual Formation. *Applied Sciences*, 12(1), 317. <https://doi.org/10.3390/app12010317>

[2] Hanif, M. I., **Ahmed, S.**, Akanda, W., & Barman, S. (2020). Anti-Molestation: An IoT based Device for Women's Self-Security System to Avoid Unlawful Activities. *International Journal of Advanced Computer Science and Applications*, 11(11). <https://doi.org/10.14569/ijacsa.2020.0111188>

Conference Proceedings

[1] **Ahmed, S.**, Khan, M. F. R., Labib, M. F. A., & Chowdhury, A. E. (2020, February). An Observation of Vision Based Underwater Object Detection and Tracking. *2020 3rd International Conference on Emerging Technologies in Computer Engineering: Machine Learning and Internet of Things (ICETCE)*. <https://doi.org/10.1109/icetce48199.2020.9091752>

Review Activity

1. Image and Vision Computing (Elsevier, IF: 4.7, Q2)
2. Journal of King Saud University. Computer and information sciences. (Elsevier, IF: 6.9, Q1)

Link: <https://orcid.org/0000-0001-6366-4881>

DIGITAL SKILLS

Programming Languages: Python, Dart, C, C++, C#, Java / Mobile Application Frameworks: Flutter / Machine and Deep Learning Frameworks: Tensorflow, Keras, Scikit-Learn, Pytorch (Basic) / Database: MySQL, Oracle, SQLite, Xampp, Firebase / Web Development: HTML, CSS, JavaScript, PHP / Software and Tools: MS Office, Latex (Overleaf), Anaconda, VS Code, Skype / Version Control Systems: Git (GitHub, BitBucket, SourceTree)

LANGUAGE SKILLS

IELTS - Overall Band: 6.5 - (Listening - 7.5, Reading - 6.0, Writing - 6.0, Speaking - 6.5)

AWARDS AND CERTIFICATIONS

Academic Awards and Achievements

- **Summa Cum Laude** - Master of Science [2021].
- **Magna Cum Laude** - Bachelor of Science [2020].
- **3 Dean List Honors** - Bachelor of Science [2016 - 2019].
- **65% Tution Fee Waiver** - Bachelor of Science [2016 - 2019].
- **1st Runner Up** - CS-Fest AIUB [2018].

Certifications

- **Python for Everybody Specialization** - Awarded by Coursera.
- **Neural Networks and Deep Learning** - Awarded by Coursera.
- **Natural Language Processing with Python and NLTK** - Awarded by Udemy.
- **Python for Data Science and Data Analysis Masterclass: 2023** - Awarded by Udemy.

RECOMMENDATIONS

Senior Assisatnt Professor

Name: Dr. A. F. M. Saifuddin Saif

Email: saif@aiub.edu

Relation: Thesis Supervisor

Lecturer

Name: Md. Mazid-UI-Haque

Email: mazid@aiub.edu

Relation: Thesis Supervisor (External)
