



## Shakil Ahmed

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### ABOUT ME

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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. In addition, after completing his further education, he intends to inspire the next generation by contributing to academics in Bangladesh.

### EDUCATION AND TRAINING

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#### Master of Science

**American International University-Bangladesh (AIUB)** [ 2021 ]

Address: 408/1, Kuratoli, Khilkhet, 1229 Dhaka (Bangladesh)

Website: <https://www.aiub.edu/>

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

Final grade: 4.00 out of 4.00 – Level in EQF: EQF level 7

National classification: Master of Science – Type of credits: BD Credit Hours – Number of credits: 36

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

#### Bachelor of Science

**American International University-Bangladesh (AIUB)** [ 2020 ]

Address: 408/1, Kuratoli, Khilkhet, 1229 Dhaka (Bangladesh)

Website: <https://www.aiub.edu/>

Field(s) of study: Computer Science

Final grade: 3.86 out of 4.00 – Level in EQF: EQF level 6

National classification: Bachelor of Science – Type of credits: BD Credit Hours – Number of credits: 130

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

### WORK EXPERIENCE

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#### Flutter Developer

**Jackal IT** [ 01/03/2022 – Current ]

**Skills Gained:** Robust Android/iOS apps development, Clean code architecture, Test cases, Version control systems (Git).

**Responsibilities:**

- Build B2B projects for the company and deploy in play store.
- Collaborate with cross-functional teams to define and deliver new features.

#### 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.
- Assisting with problem solving and the faculty member in lab.

## RESEARCH PUBLICATIONS

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### 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>

## DIGITAL SKILLS

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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

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Mother tongue(s): **Bangla**

Other language(s):

**English**

**LISTENING C1 READING C1 WRITING C1**

**SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2**

## AWARDS AND CERTIFICATIONS

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### 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].
- **1<sup>st</sup> 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

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### Assistant Professor

Name: Dr. Ashraf Uddin

Email: [dr.ashraf@aiub.edu](mailto:dr.ashraf@aiub.edu)

Relation: Thesis Supervisor (External)

### Lecturer

Name: Md. Mazid-UI-Haque

Email: [mazid@aiub.edu](mailto:mazid@aiub.edu)

Relationship: Thesis Supervisor