

SM Firoz Ahmed Fahim

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EDUCATION

05.2018 – 03.2023 Dhaka, Bangladesh	American International University Bangladesh, <i>Bachelor of Science in Computer Science and Engineering</i> CGPA: 3.45/4.00 Last 60 credit GPA: 3.60/4.00
2014 – 2016 Khulna, Bangladesh	Govt. Bangabandhu College, <i>Higher Secondary Certificate</i> GPA: 5.00/5.00
2006 – 2014 Khulna, Bangladesh	Khulna Zilla School, <i>Secondary School Certificate</i> GPA: 5.00/5.00

PUBLICATIONS

- [1] **Healthcare Cost Patterns and Prediction: Investigating Personal Datasets using Data Analytics** 🔗
Md Aminul Islam, Anindya Nag, Pretam Chandra, **SM Firoz Ahmed Fahim**, Md Mozammel Hoque,
(International Conference in Signal and Data Processing, 2023)
- [2] **An Investigation into the Prediction of Annual Income Levels through the Utilization of Demographic Features Employing the Modified UCI Adult Dataset** 🔗
Md Aminul Islam, Anindya Nag, Nilanjana Roy, Arpita Rani Dey, **SM Firoz Ahmed Fahim**, Arjan Ghosh,
(International Conference on Computing, Communication, and Intelligent Systems 2023)
- [3] **Utilization of Encoding, Early Stopping, Hyper Parameter Tuning, and Machine Learning Models for Bank Fraud Detection** 🔗
Md Aminul Islam, Anindya Nag, Saumik Chowdhury, **SM Firoz Ahmed Fahim**, Arjan Ghosh, Nahi Mumtaz,
(IEEE 9th International Women in Engineering Conference on Electrical and Computer Engineering, 2023)
- [4] **A Survey on Wireless Sensor Network Routing Performance Optimizing and Security Techniques** 🔗
Anindya Nag, Dishari Mandal, Nilanjana Roy, Nisarga Chand, **SM Firoz Ahmed Fahim**, (International
Conference on Frontiers in Computing and Systems, 2023)

RESEARCH EXPERIENCE

Undergraduate Thesis, Area of Research: Machine Learning, NLP

Topic: Suicidal Tendency Detection Using Machine Learning Algorithms

Supervisor: Prof. Dr. Md. Asraf Ali

Advancing Sentiment Analysis Through Natural Language Processing and Deep Learning

- This paper has been accepted by **16th ICCCNT 2025**

Revolutionizing Academic Learning and Research with the Integration of Leap Motion and ARCore in Android

- This paper has been accepted by **16th ICCCNT 2025**

WORK EXPERIENCE

- 04.2025 – 12.2025
San Francisco, Remote
- Web Scraper QA Specialist, REWORKD- YC-BACKED & AI GRANT-FUNDED STARTUP (SEED FUNDING BY PAUL GRAHAM)**
- Contributed to the development of scalable web scraping infrastructure, supporting high-volume data retrieval.
 - Built, reviewed, and debugged automated scraping bots to extract structured and unstructured data efficiently.
- 07.2024 – 03.2025
Dhaka, Bangladesh
- Research Assistant, Artificial Intelligence Research & Innovation Lab - AIRIL**
- Developed machine learning models to solve complex real-world problems.
 - Analyzed data to extract meaningful insights and improve predictive algorithms.
- 03.2023 – 04.2024
Dubai, Remote
- Web Developer, Fiume**
- Designed and implemented web applications and CMS-based systems using modern front-end technologies.
- 2022
Dhaka, Bangladesh
- Undergraduate TA - Internship, American International University Bangladesh**
- Performed as a TA on the Theory of Computation and Computer Graphics course.

PROJECTS

Quantum CLIP

- Integrated Quantum Circuits, BERT in CLIP.

Web Series by ASP. NET

A web series management system with roles for Admin, Streaming Manager, and Package Manager.

Smart Home Application Using Hand Gesture

- An OpenCV project to control the Light and Fan using hand gestures detected through the camera.

Hydromint

- A SaaS application for creating and managing NFT Projects with lots of customization and configurations.

SKILLS

Python	TensorFlow
PyTorch	Pandas
Matplotlib	LaTeX
Java	ASP.NET

EXTRACURRICULAR ACTIVITIES

- 08.2025 – Present
- National Head of Youth Operations - AIESEC in Bangladesh, AIESEC**
- Leading national strategy design for exchange operations, analyzing performance data, and identifying process gaps across multiple local committees.
 - Building and maintaining international partnerships with AIESEC entities in over 106 countries to enhance exchange program performance and customer flow.

LANGUAGES

- English

ACHIEVEMENTS & AWARDS

- 2019 **Best Presenter Award**, *American International University Bangladesh*
- 2016 **Government Scholarship**, *Jessore Board*
- Awarded Government Scholarship for securing 12th Position in Jessore Board

REFERENCES

Prof. Dr. Md. Asraf Ali, *Professor, Department of Computer Science, American International University Bangladesh*
asrafali@aiub.edu

Raihan Uddin Ahmed, *Senior Lecturer, Department of CS, University of West Georgia*
rahmed@westga.edu

Md Kishor Morol, *Adjunct Professor, Department of CS, St. Thomas University*
mmorol@stu.edu