

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, Higher Secondary Certificate GPA: 5.00/5.00
2006 – 2014 Khulna, Bangladesh	Khulna Zilla School, Secondary School Certificate 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 Mumtaj,
(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) <ul style="list-style-type: none">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 <ul style="list-style-type: none">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 <ul style="list-style-type: none">Designed and implemented web applications and CMS-based systems using modern front-end technologies.
2022 Dhaka, Bangladesh	Undergraduate TA - Internship, American International University Bangladesh <ul style="list-style-type: none">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 <ul style="list-style-type: none">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.
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LANGUAGES

- English

ACHIEVEMENTS & AWARDS

2019	Best Presenter Award , <i>American International University Bangladesh</i>
2016	Government Scholarship , <i>Jessore Board</i> <ul style="list-style-type: none">• 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