

SM Firoz Ahmed Fahim

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EDUCATION

05.2018 – 08.2022 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

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 – present San Francisco, Remote	Web Scraper QA Specialist, Reworkd <ul style="list-style-type: none">• My primary role involves reviewing and optimizing both human and AI-generated web scraping code to ensure accurate and efficient data retrieval across platforms.
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07.2024 – 03.2025 Dhaka, Bangladesh	Research Assistant , <i>Artificial Intelligence Research & Innovation Lab - AIRIL</i> <ul style="list-style-type: none"> Developing machine learning and AI models to solve complex real-world problems. Analyzing data to extract meaningful insights and improve predictive algorithms. Collaborating on interdisciplinary research projects focused on AI-driven solutions.
2022 Dhaka, Bangladesh	Undergraduate TA - Internship , <i>American International University Bangladesh</i> <ul style="list-style-type: none"> Performed as a Teaching Assistant at American International University -Bangladesh under the supervision of Mahfuzur Rahman Sir on the Theory of Computation and Computer Graphics courses
10.2022 – 03.2023 Dubai, Remote	Software Developer , <i>Fiume</i> <ul style="list-style-type: none"> Collaborated with a cross-functional team to design, develop, and maintain backend systems and applications to support Fiume's business objectives. Designed and implemented RESTful APIs, ensuring efficient data exchange between the front-end and back-end systems. Developed server-side logic and business logic, ensuring seamless functionality and a great user experience for Fiume's clients.

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.

Distributed Logging System

- A distributed logger implementation built using Go, ReactJS, MongoDB, RabbitMQ featuring filters, realtime updates and permissioned user access levels

Railway Game

- A decentralized gaming application consisting of NFTs as in-game items, abilities based on NFT metadata and much more

Hydromint

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

SKILLS

Python	TensorFlow
OpenCV	PyTorch
Pandas	Matplotlib
LaTeX	Java
JavaScript	ASP.NET
Smart Contracts	Solidity

EXTRACURRICULAR ACTIVITIES

08.2025 – Present	National Head of Youth Operations - AIESEC in Bangladesh, AIESEC <ul style="list-style-type: none">• Lead national youth operations for AIESEC in Bangladesh, overseeing the Outgoing Global Exchange (oGX) program and managing partnerships with multiple Local Committees.• Implement national strategies for customer flow management ensuring a seamless exchange experience for youth.• Facilitate cross-functional collaboration with marketing, finance, and partner organizations to maximize program growth and sustainability.• Establish partnerships with international AIESEC entities, enabling cross-border projects and best-practice sharing.• Drive youth leadership and cultural exchange initiatives, contributing to AIESEC's mission of peace and fulfillment of humankind's potential.
02.2022 – 01.2023 Dhaka, Bangladesh	Local Committee Vice President - AIESEC in Dhaka South, Bangladesh, AIESEC <ul style="list-style-type: none">• Worked as the Local Committee Vice President – outgoing Exchanges, where I solely managed the function while managing and leading a set of team members and leaders toward achieving set goals.• Participated as a guest speaker in two International Programs in Vietnam and China.• Built International Relationships with multiple local committees from several countries, including India, Dubai, Turkey, Brazil, Sri Lanka, Egypt, China, Thailand, Tunisia, Vietnam, Philippines.

LANGUAGES

- English

ACHIEVEMENTS & AWARDS

2020	International Best Buddy, AIESEC in Vietnam
2018	Best Presenter Award, American International University Bangladesh
2016	Government Scholarship, Jessore Board <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