

Abdullah Al Marjuc Talha

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👤 ABDULLAH AL MARJUC TALHA 💬 Abdullah Al Marjuc Talha

SUMMARY

Final-year Computer Science student with a strong foundation in **data analytics** and digital business operations. Co-founder of an e-commerce venture with practical experience in logistics and customer relationship management. Aligned with Banglalink's vision to "**Lead the Future**", seeking to leverage skills in **SQL, Power BI, and User Acceptance Testing (UAT)** to drive innovation and digital transformation as a Digitalyst Intern.

Education

AMERICAN INTERNATIONAL UNIVERSITY – BANGLADESH <i>BSc in Computer Science and Engineering (Major: Information Systems)</i>	<i>JAN 2022 – PRESENT</i>
◦ CGPA: 2.93 / 4.00 ◦ Status: Completing all academic courses in current semester (Final Semester). ◦ Awards: Best Poster Award (Software Category), Thesis Day 2025. ◦ Relevant Modules: Data Science, Research Methodology, Software Quality Assurance (SQA), Management Information Systems.	

CANTONMENT PUBLIC SCHOOL AND COLLEGE MOMENSHABI <i>Higher School Certificate (Science)</i>	<i>2018 – 2020</i>
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LEADERSHIP & EXPERIENCE

Co-Founder <i>Prime Corner - Online Clothing Business</i>	<i>Dhaka</i> <i>JULY 2023 - PRESENT</i>
Established and managed a digital-first retail business, overseeing end-to-end operations from procurement to delivery. Utilized data analytics to track inventory turnover and sales trends, ensuring optimized stock levels and reduced overhead. Maintained a "customer-first" approach, resolving inquiries and coordinating logistics to ensure a seamless delivery experience.	
Executive – Strategic Member <i>ESAB AIUB Unit Face</i>	<i>Dhaka</i> <i>JUNE 2025 - PRESENT</i>
Lead strategic planning for club initiatives and manage web-based platforms to enhance student engagement. Previously served as a volunteer (2023–2025), organizing technical workshops and large-scale events to foster student innovation.	

Crew Facilitator <i>Space Innovation Camp</i>	<i>Dhaka</i> <i>JULY 2025 - PRESENT</i>
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Coordinated logistics and team activities for large-scale participant events, ensuring operational efficiency. Managed participant registration and on-site communication, acting as a primary point of contact for attendees.	
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Former General Member <i>AIUB Environment Club</i>	<i>Dhaka</i> <i>JUNE 2023 – JUNE 2024</i>
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I worked with the AIUB Environment Club to raise awareness about environmental protection.

Volunteering Experience	
◦ The Second Space Exploration Olympiad as a Crew Facilitator on 01 August 2025. ◦ Research Assistant, ADPC-ICARE Innovation Fund Project, 2024.	

Academic Projects

Real-Time Multimodal Confidence Detection System(Thesis Project)

[GitHub](#) ↗

- Developed a real-time system utilizing facial landmarks, hand gestures, and voice pitch to quantify human confidence levels during presentations.
- Achieved 94.97% accuracy through multimodal signal processing and optimized algorithms for real-time performance.
- **Awarded Best Poster** for effective visual data representation and research communication.

Mobile Analytics Data Warehouse & Market Analysis

[GitHub](#) ↗

- Designed a normalized Star Schema architecture to transform raw smartphone data into structured Dimension and Fact tables.
- Developed interactive reports using Power BI and utilized SQL Window Functions (ROW_NUMBER, RANK) to visualize market share and pricing strategies.
- Conducted comparative analysis on 980+ records to identify hardware correlations and pricing strategies.

Library Management System ((SQA Focus))

[GitHub](#) ↗

- Developed a web-based system using HTML, CSS, PHP, XML, and MySQL to manage library operations.
- Built a web-based system to manage book catalogs and member records.
- QA Aspect: Performed functional testing on features like "issue/return tracking" and search functionality to ensure zero logic errors.
- Database Testing: Validated MySQL database integrity to ensure accurate storage and retrieval of member records.

Pharma Care Portal Management

[GitHub](#) ↗

- Built a web-based management system using PHP and MySQL with a focus on Software Quality Assurance.
- Conducted rigorous User Acceptance Testing (UAT) and functional testing on "issue/return" features to ensure zero logic errors.
- Validated database integrity to guarantee accurate storage and retrieval of member records.

Analysis and Preprocessing of Network Traffic for Cybersecurity

[GitHub](#) ↗

- Processed raw packet-level data to identify anomalies and potential security threats using statistical analysis in R.
- Performed rigorous data cleaning and feature extraction, handling missing values and filtering noise to prepare datasets for intrusion detection models.
- Conducted Exploratory Data Analysis (EDA) using ggplot2 to visualize traffic patterns and detect malicious behavioral trends.

Skills

Technical Skills:

- Data & Analysis: SQL (Window Functions, CTEs), Power BI, R, Python, MS Excel.
- Programming, Web & Testing: C++, Java, HTML, CSS, PHP, Selenium IDE (Automation), User Acceptance Testing (UAT), SDLC.

Certifications and Awards

Best Poster Award (Category: Software), Thesis Day: Summer 2024–2025,



American International University – Bangladesh, December 4, 2025

- Awarded for presenting the most effective visual representation of research findings during the Department of Computer Science Thesis Day.

Cisco Networking Academy program

JAN 2022 – PRESENT

- IT Essentials: PC Hardware and Software.
- Data Analytics Essentials.

[Link to All Certificates](#) ↗