Abdullah Al Marjuc Talha

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in ABDULLAH AL MARJUC TALHA   ⌨ Abdullah Al Marjuc Talha

SUMMARY

Detail-oriented Computer Science & Engineering graduate with a strong foundation in **SDLC, SQL, and Programming (Java/Python)**. Passionate about software quality, possessing a "detective" mindset developed through complex data analysis and research projects. Skilled in **identifying anomalies**, documenting technical requirements, and performing database validations. Seeking an **SQA Intern** role to apply analytical skills in manual testing, test case execution, and bug reporting.

Education

AMERICAN INTERNATIONAL UNIVERSITY – BANGLADESH   *JAN 2022 – PRESENT*
BSc in Computer Science and Engineering
- Major in Information Systems.
- Research on " Exploring the Impact of Artificial Intelligence on Personalized Education."
- Thesis on "Real-Time Multimodal Confidence Detection System."

Skills

Technical Skills:
- Testing & QA Concepts: SDLC, STLC, Manual Testing Concepts, Test Case Generation, Bug Reporting, Functional Testing logic.
- Database: Microsoft SQL Server, MySQL, Star Schema Design.
- Programming & Web: C++, Java, HTML, CSS, PHP, Git.
- Web Technologies: HTML, CSS, JavaScript, PHP.
- Documentation & Tools: Git, MS Excel, Technical Documentation, Thesis Writing.

Projects

Real-Time Multimodal Confidence Detection System(Thesis Project)   *GitHub* ⬈
- Built a real-time system combining facial landmarks, hand gestures, and voice pitch to measure human confidence levels.
- Achieved 94.97% accuracy through multimodal signal processing and optimized real-time performance.
- **Awarded Best Poster** for effectively presenting complex research findings and visual data representation.

Library Management   *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* ⬈
- Developed a web-based pharmacy management portal using HTML, CSS, PHP, and MySQL.
- Implemented features such as medicine catalog, stock control, customer registration, and purchase tracking.
- Automated real-time inventory updates to minimize errors and improve operational efficiency.
- QA Aspect: Focused on error minimization by automating inventory updates; tested the system for edge cases in stock depletion.

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.

Experience

Executive – Strategic Member *Dhaka*
ESAB AIUB Unit Face *JUNE 2025 - PRESENT*

Lead strategic planning for club activities and manage web-based initiatives. Previously served as a volunteer for 1.5 years, organizing technical events and workshops.

Crew Facilitator *Dhaka*
Space Innovation Camp *JULY 2025 - PRESENT*

Coordinate team activities and logistics for large-scale participant events.

Co-Founder *Dhaka*
Prime Corner - Online Clothing Business *JULY 2023 - PRESENT*

Manage end-to-end business operations, utilizing data to track inventory, sales trends, and customer preferences. Coordinate logistics and resolve customer queries to make sure that you have a seamless delivery experience.

Volunteering Experience

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

Certifactions 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