Abdullah Al Marjuc Talha

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in ABDULLAH AL MARJUC TALHA   ⚬ Abdullah Al Marjuc Talha

SUMMARY

Final-semester Computer Science student specializing in Data Analytics and Process Optimization. Proficient in **SQL, R, and Python for data warehousing, statistical analysis, and visualization**. Experienced in transforming raw datasets into actionable business insights, evidenced by a "Best Poster Award" in software research. Co-founder of an e-commerce business with hands-on experience in logistics and customer operations.

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:

- Data Analysis & Science: Microsoft SQL Server, MySQL Data Science & Analytics: R, Python
- Visualization & BI: Power BI, Data Visualization.
- Database: Microsoft SQL Server, MySQL, Star Schema Design.
- Programming & Web: C++, Java, HTML, CSS, PHP, Git.

Projects

Mobile Analytics Data Warehouse & Market Analysis   *GitHub* ↗

- Designed a normalized Star Schema architecture to transform raw smartphone data into structured Dimension and Fact tables, significantly improving query efficiency.
- Utilized SQL Window Functions (ROW_NUMBER, RANK) and CTEs to calculate market share, price-to-performance ratios, and multi-feature rankings.
- Conducted comparative analysis on 980+ records to identify hardware correlations and pricing strategies across different operating systems.

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.

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.

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