Talha Talukder

Chattogram, Bangladesh
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EDUCATION

Bachelor of Science (B.Sc.) in Computer and Communication Engineering (CCE)
International Islamic University Chittagong (IIUC), Bangladesh
CGPA: 3.76 / 4.00 2019 – 2024

Relevant Coursework: Computer Fundamentals & Programming, Data Structures & Algorithms, Operating Systems, Data Communication and Computer Networking, Database Management Systems, Python Programming, Internet of Things, Machine Learning, Artificial Intelligence, Microprocessors & Microcontrollers.

RESEARCH EXPERIENCE

IoT-ML Driven Smart Irrigation System (Undergraduate Thesis)
International Islamic University Chittagong 2024

- Designed and implemented an IoT-based irrigation system using ESP32, NodeMCU ESP8266, and environmental sensors (soil moisture, temperature, and humidity).
- Integrated a Machine Learning model for predictive irrigation control.
- Collected and analyzed sensor data to optimize water consumption.
- Processed sensor data using Python for prediction and monitoring.
- Focused on automation, efficiency, and data-driven optimization.

TEACHING EXPERIENCE

Teaching Assistant – Department of CCE
International Islamic University Chittagong Jan 2023 – Jul 2023

- Assisted in lectures and lab sessions for programming and networking courses.
- Guided students in cybersecurity and system fundamentals.
- Supported grading, assignment preparation, and research data analysis.

PROFESSIONAL EXPERIENCE

Enterprise Support Agent – MSIT Jul 2025 - Aug 2026
Midas Safety Bangladesh Limited May 2024 - Aug 2026

- Provided Level 1–4 enterprise-level IT support for 200+ users.
- Managed servers, Active Directory, networking, and security systems (99.9% uptime).
- Collaborated with Global SOC and Risk teams on cybersecurity compliance.
- Led infrastructure and automation projects including surveillance and access control.
- Prepared IT documentation, SOPs, and technical training materials.

SELECTED TECHNICAL PROJECTS

- **CCTV Surveillance System Expansion & Optimization** – Improved monitoring reliability and security coverage.
- **Automated Gate Pass System Implementation** – Digitized workflow and enhanced traceability.
- **File Server to NAS Migration** – Optimized storage and backup capability.

- **Access Control System for Server Room** – Strengthened physical security compliance.

CERTIFICATIONS

- ISC2 Certified in Cybersecurity (CC)
- Cybersecurity and the Internet of Things – University System of Georgia (Coursera)
- CompTIA A+ (220-1001) Training – LinkedIn Learning
- Gemini Certified Educator – Google
- Introduction to HTML5 – University of Michigan (Coursera)

LEADERSHIP & SERVICE

Convenor (Seminar and Workshop) – CCE Club, IIUC 2022 – 2023

- Led the organization of technical seminars and robotics workshops for undergraduate students.
- Coordinated CCE Fest 2022, overseeing planning, execution, and cross-team collaboration.

Professional Service Director – Rotaract Club of Chittagong Central 2023 – 2024

- Led community service initiatives and coordinated volunteer teams.
- Managed event planning, stakeholder communication, and execution strategies.

Social Welfare Secretary – Sandwip Students' Affinity, IIUC 2023 – 2024

- Organized student welfare programs and coordinated campus-level initiatives.

Campus Representative – Workplace Skills Development Academy NZ 2021 – 2023

- Promoted skill development initiatives and coordinated academic outreach activities.

TECHNICAL SKILLS

Programming: Python, C, Java, JavaScript, PHP
Networking & Systems: TCP/IP, DNS, DHCP, VPN, Cisco Routing & Switching, Active Directory, VMware
Cloud & Platforms: Microsoft Azure
IoT & Embedded: ESP32, NodeMCU ESP8266, Raspberry Pi, Arduino, Sensor Integration
Tools: Git, GitHub, PowerShell, SAP, iTop, Microsoft Office

HONORS & AWARDS

Monthly Employee Recognition – Teamwork Segment (April 2025), Midas Safety Bangladesh Limited