



Al Mahmud

Passport: A07901992 | **Date of birth:** 31/12/1992 | **Place of birth:** Dhaka, Bangladesh |

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ABOUT ME

A dedicated telecommunications and cybersecurity professional with nearly a decade of hands-on experience at Bangladesh Telecommunications Company Limited (BTCL), where I have worked at the core of Bangladesh's national internet and telecom infrastructure. My responsibilities have included **.bd ccTLD operations, DNS and DNSSEC, hosting platforms, co-location security, and broadband network systems** that support millions of users nationwide.

Alongside my professional career, I have remained actively engaged with the **global technical and internet governance community** through ICANN, APNIC, APRICOT, and APriGF programs with fellowship, supported by professional certifications including **CEH and CCNA**.

Despite physical challenges from early life, I have built this career through discipline, independence, and consistent self-improvement. I now seek advanced academic training to transform long-term practical experience into **research-driven expertise in cybersecurity and secure digital infrastructure**.

WORK EXPERIENCE

ASSISTANT MANAGER(TECHNICAL) [PLANNING AND DEVELOPMENT DIVISION] – BANGLADESH TELECOMMUNICATIONS COMPANY LIMITED (BTCL) – 07/08/2025 – Current – DHAKA, BANGLADESH

Website: https://btcl.portal.gov.bd/site/view/officer_list_category/20358

- Took a lead role in shaping technical plans for major BTCL projects, ensuring each initiative aligned with long-term network and service goals.
- Reviewed new technologies and helped turn ideas into practical, implementable project steps.
- Guided teams by coordinating tasks, solving on-ground challenges, and keeping development work on schedule.
- Prepared clear technical briefs, budget inputs, and progress updates to support senior-level decision-making.
- Identified system gaps and recommended improvements to boost reliability, efficiency, and overall service performance.
- Ensured that all planning activities followed BTCL's technical standards as well as national ICT and cybersecurity guidelines.

JUNIOR ASSISTANT MANAGER (TECHNICAL) – BANGLADESH TELECOMMUNICATIONS COMPANY LIMITED (BTCL) – 25/10/2015 – 06/08/2025 – DHAKA, BANGLADESH

- Managed DNS, domain hosting, GPON, AAA, and BRAS operations.
- Delivered technical support for nationwide clients and infrastructure partners.
- Ensured service reliability through structured monitoring and incident response.

ASSISTANT MANAGER (ADDITIONAL CHARGE) – BANGLADESH TELECOMMUNICATIONS COMPANY LIMITED (BTCL) – 25/01/2022 – 06/08/2025 – DHAKA, BANGLADESH

- Supported national DNS, DNSSEC, .bd ccTLD operations, and secure hosting platforms.
- Assisted in overseeing co-location systems supporting critical services and high-volume traffic.
- Contributed to core infrastructure performance through optimized processes and risk mitigation.

- Supported major upgrades for high-demand public services.
- Implemented secure DNS workflows and reinforced hosting environments.

● EDUCATION AND TRAINING

01/2010 – 12/2014 Dhaka, Bangladesh

BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING American International University - Bangladesh (AIUB)

Website <https://www.aiub.edu/> | **Final grade** 3.02/4.00 | **Thesis** "Analyzing Brain Signals Using EEG Data"

CERTIFIED ETHICAL HACKER (CEH). EC-Council

Website <https://aspen.eccouncil.org/MyCourses>

23/06/2024 – 08/07/2024 dhaka, Bangladesh

ZTE IP TRAINING ZTE MOTN Project- BTCL

Website <https://euniv.zte.com.cn>

10/06/2024 – 12/06/2024 Dhaka, Bangladesh

DNS/DNSSEC WORKSHOP - BANGLADESH APNIC (Asia Pacific Network Information Centre)

Website <https://academy.apnic.net/en/events?id=a0BOc000000Q9UHMA0>

30/11/2017

CISCO CERTIFIED NETWORK ASSOCIATE Cisco

Website <https://www.cisco.com/site/us/en/learn/training-certifications/exams/ccna.html>

09/07/2023

400.1 CYBERSECURITY BASICS Internet Corporation for Assigned Names and Numbers (ICANN)

● LANGUAGE SKILLS

Mother tongue(s): **BENGALI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B1	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● SKILLS

Cybersecurity

Incident Response | Web Application Security | SOC Operations | Penetration Testing | Vulnerability Assessment | Network Monitoring

Networking & Infrastructure

BRAS | .bd ccTLD | DNS | AAA | DNSSEC | Hosting & Co-location

Systems & Tools

Python | Linux

Governance & Risk

IT Security, Risk Management, National Infrastructure Protection

● HONOURS AND AWARDS

11/10/2025

Asia Pacific Regional Internet Governance Forum (APrIGF) [Fellowship, Virtual] – The Internet Governance Institute, Executed by APrIGF MSG & APrIGF Secretariat

Link <https://ap.rigf.asia/fellowship/2025/aprigf-2025-fellowships-results/>

19/02/2025

APRICOT 2025 - KINDNS: DNS & DNSSEC operational best practices to improve the DNS Ecosystem [Fellowship] – Asia Pacific Regional Internet Conference on Operational Technologies

Link <https://2025.apricot.net/fellowship/fellows>

12/07/2024

Network Security Workshop [Fellowship] – BDNog (Bangladesh Network Operators Group)

Link <https://bdnog.org/bdnog18/Fellowship.php>

● CONFERENCES AND SEMINARS

21/05/2025 – 24/05/2025 Lakeshore Hotel, Dhaka, Bangladesh

bdNOG19 Conference & Technical Workshops

Link <https://bdnog.org/bdnog19/>

10/06/2024 – 13/06/2024 KIGALI

ICANN80 | KIGALI POLICY FORUM

10/07/2023 – 13/07/2023

LAC DOMAINS NAME WEEK 2023

21/10/2023 – 23/10/2023 HAMBURG

ICANN78 | HAMBURG ANNUAL GENERAL

12/06/2023 – 15/06/2023 Washington D.C.

ICANN77 | WASHINGTON D.C. POLICY FORUM

Link <https://icann77.sched.com/>

● RECOMMENDATIONS

Mostofa Al Mahmud Deputy General Manager (Domain Division)

Direct supervisor of my work on .bd ccTLD and national internet infrastructure. Praised my precision in DNS, hosting, and co-location, as well as global engagement at ICANN, APNIC, APRICOT, and APrIGF. Endorsed me for admission and scholarship, emphasizing resilience and global impact potential.

Email dgm.domain@btcl.gov.bd | Phone (+880) 1550151442

Link https://btcl.portal.gov.bd/site/view/officer_list_category/20356

MASHIOUR RAHMAN senior associate professor, Dean-In-Charge, AIUB

Knew me as Department Head, Internship Supervisor, and Thesis Evaluator during my B.Sc. in CSE. Highlighted my strong performance in Data Mining, Database Systems, and networking projects, as well as resilience and academic maturity, endorsing me for research-intensive graduate study.

Email mashiour@aiub.edu | Phone (+880) 1711521065

Link <https://www.aiub.edu/faculty-list/faculty-profile?q=mashiour#mashiour@aiub.edu>

Dr. A K M Golam Baharul, DBA Director General (Current Charge)

Supervised my work (2016–2018) in Exchange Installation at BTCL, where I managed national core infrastructure (BRAS, AAA, GPON). He recognized my technical leadership, problem-solving, and resilience, recommending me strongly for advanced research in cybersecurity and AI.

Email dg.tsc@btcl.gov.bd | **Phone** (+880) 1550151309

Link https://www.tsc.gov.bd/?page_id=22

Mohammad Shahidul Islam Managing Director [Bangladesh Cable Shilpa Limited Department in the Ministry(PTD) Former DGM,BTCL]

Supervised my role (2018–2020) in managing .bd ccTLD, DNS, and co-location services. Endorsed my technical depth, adaptability, and innovative problem-solving, noting my contributions to mission-critical internet infrastructure and resilience despite physical disability.

Email mdbcslkhulna@gmail.com | **Phone** (+880) 1550151318

Link https://bcsportal.gov.bd/site/view/officer_list_category/5292

● **ACADEMIC & RESEARCH INTERESTS**

RESEARCH INTERESTS

- Cyber Defense & Security Operations
- Secure DNS & Internet Infrastructure
- Cloud & Telecom Cybersecurity
- AI-Based Intrusion Detection
- Digital Forensics for Public Networks
- National Cybersecurity Policy & Risk Governance