Rasel Rana

Manager (Technical) · Bangladesh Telecommunications Company Limited (BTCL)

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PROFILE

Electrical and electronic engineer and Manager (Technical) at Bangladesh Telecommunications Company Limited (BTCL), with over eight years of experience across power generation and telecommunications. I manage the field operations team that delivers BTCL services at Central Cantonment, Dhaka, work on GPON access networks and MikroTik-based solutions, and contribute to in-house technology development projects. I also build full-stack web applications and have designed competition-winning robots since 2014.

CORE STRENGTHS

Telecommunications and GPON access networks; power plant operations and grid coordination; field team management and service delivery; full-stack web development with React, Next.js and MongoDB; embedded systems, PLC automation and robotics; technical reporting, training and mentoring.

EXPERIENCE

Manager (Technical) - Manager (Phones)

June 2026 - Present

Bangladesh Telecommunications Company Limited (BTCL), Central Cantonment, Dhaka

Promoted to Manager (Technical) on 1 June 2026 and posted as Manager (Phones), Central Cantonment, Dhaka.

- Manage the field operations team delivering BTCL telephone and broadband services
- Oversee GPON access network operations and service quality
- Work with MikroTik-based network solutions
- Contribute to BTCL in-house technology development projects

Assistant Manager (Technical)

November 2021 - May 2026

Bangladesh Telecommunications Company Limited (BTCL), Central Cantonment, Dhaka

Joined BTCL on 14 November 2021. Served as Assistant Manager (Phones) and Assistant Manager (Switch), with additional charge as Manager (Phones).

- Supported field operations for new connections and fault repair
- Operated and maintained telephone switching equipment
- Worked on GPON access network installation and operations
- Held additional charge of the Manager (Phones) office

Assistant Deputy Manager (Technical)

2021

Summit Power Limited, 300 MW Power Plant

Plant operations at a 300 MW power plant.

- Operated power-generation equipment and auxiliaries
- Adjusted output to meet national grid requirements
- Coordinated with the National Load Dispatch Centre
- Prepared generation and fuel consumption reports

Assistant Deputy Manager (Technical) - Shift Engineer

April 2018 - 2021

Summit Power Limited, 157 MW Power Plant

Shift engineer in the operations department of a 157 MW engine-based power plant from 22 April 2018.

- Controlled generation equipment during normal running and start-up
- Monitored voltage and power flow against grid protocols
- Recorded operating data in logs and databases
- Prepared daily and monthly and annual performance reports
- Communicated with plant management and the National Load Dispatch Centre

EDUCATION

B.Sc. in Electrical and Electronic Engineering (EEE)

2013 - 2018

Dhaka University of Engineering & Technology (DUET), Gazipur

CGPA 3.09 out of 4.00. Thesis: Comparative analysis of control techniques for high-speed position control systems.

Diploma in Engineering (Electronics Technology)

2008 - 2012

Rangpur Polytechnic Institute, Rangpur

CGPA 3.66 out of 4.00. First place in the department.

SKILLS

Telecommunications and Networking

- GPON access networks
- OLT and ONU configuration
- MikroTik RouterOS
- Telephone switching
- Network troubleshooting

Web Development

- JavaScript
- React
- Next.js
- Node.js
- MongoDB
- Tailwind CSS
- Database design

Embedded Systems and Robotics

- 8051 and ATmega and PIC microcontrollers
- Arduino
- C and Assembly
- Autonomous robots
- Drones
- PCB design

Power and Industrial Automation

- Power plant operations
- Siemens LOGO PLC
- LS XG-500 PLC
- Variable frequency drives
- Motor control

ACHIEVEMENTS

Champion - Cybernauts 2016

October 2016

NSU Computer and Engineering Club, North South University

National robotics competition. Covered by the Daily Kaler Kantha.

Champion - ROBOLUTION 2016

April 2016

MIST Robotics Club, Military Institute of Science and Technology

National robotics competition. Covered by The Daily Ittefaq.

Other robotics podium finishes

2015 - 2016

Universities across Bangladesh

- 1st Runner-up at Robo-Droid Championship 2016 (IEEE RUET Student Branch)
- 2nd Runner-up at Global Robotics Challenge 2016 IARC Bangladesh Zonal (ESAB)
- 2nd Runner-up at mecceeration 2015 (IUT)
- 2nd Runner-up at RoboTour and Programming Contest 2015 (RUET)

Judge - Techfest Bangladesh Zonal 2026 (Innovatex)

October 2026

DUET Robotics Club, DUET, Gazipur

Served on the panel of judges for the Innovatex competition.

Champion - BTCL Cricket Tournament 2025

February 2025

Bangladesh Telecommunications Company Limited (BTCL)

Played for North Nemesis (Dhaka Telecommunication Region North).

LEADERSHIP

President

2016 - 2017

DUET Robotics Club

Vice Chairman (Technical)

2016 - 2017

IEEE DUET Student Branch

Convener

2017

DUET TECHFEST 2017

TRAINING

Electrical Equipment and PLC Automation System (3 months)

2014

North Bengal Engineering Institute (NBEI)

Microcontroller and Embedded Systems (3 months)

2013

North Bengal Engineering Institute (NBEI)

Industrial Attachment (1 month)

RPCL 52 MW Dual Fuel Power Plant, Gazipur

MEMBERSHIPS

Member

Institute of Electrical and Electronics Engineers (IEEE)

LANGUAGES

Bangla and English

Bangla (native). English (fluent in reading, writing and speaking).