



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 meceeration 2015 (IUT)
- 2nd Runner-up at RoboTour and Programming Contest 2015 (RUET)

Judge - Techfest Bangladesh Zonal 2026 (Innovatex) DUET Robotics Club, DUET, Gazipur Served on the panel of judges for the Innovatex competition.	October 2026
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Champion - BTCL Cricket Tournament 2025 Bangladesh Telecommunications Company Limited (BTCL) Played for North Nemesis (Dhaka Telecommunication Region North).	February 2025
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LEADERSHIP

President DUET Robotics Club	2016 - 2017
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Vice Chairman (Technical) IEEE DUET Student Branch	2016 - 2017
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Convener DUET TECHFEST 2017	2017
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TRAINING

Electrical Equipment and PLC Automation System (3 months) North Bengal Engineering Institute (NBEI)	2014
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Microcontroller and Embedded Systems (3 months) North Bengal Engineering Institute (NBEI)	2013
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Industrial Attachment (1 month) RPCL 52 MW Dual Fuel Power Plant, Gazipur	
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MEMBERSHIPS

Member Institute of Electrical and Electronics Engineers (IEEE)	
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LANGUAGES

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