

# Ahmad Rasheed Faiyaz Bitto

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## SKILLS

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- Software: AutoCAD, SolidWorks, Microsoft Office
- Programming: MATLAB, C/C++, Anaconda (Python), Wolfram Mathematica, COMSOL, Labview
- Industrial Systems: GMES, Integrated Quality Management System

## EDUCATION

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**Clarkson University**, Potsdam, NY | May 2025 – December 2026 (Expected)

**Master of Science** in Mechanical Engineering | Latest GPA: 4.00/4.00

**Bangladesh University of Engineering & Technology (BUET)** | June 2014 – October 2018

**Bachelor of Science** in Mechanical Engineering | GPA: 3.67/4.00

## INDUSTRY EXPERIENCE

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**British American Tobacco Bangladesh** | Jul 2019 – Apr 2025

**Shift Manager, Manufacturing** | Aug 2024 – Apr 2025

- Supervised over 150+ operators across shifts to maintain production continuity
- Ensured operational targets were met, including productivity, EHS and quality compliance
- Led the deployment of autonomous maintenance in a cigarette producing machine

**Team Leader, Manufacturing** | Feb 2022 – Jul 2024

- Led 1.2 million BDT productivity savings through leading tobacco wastage reduction initiatives which helped Dhaka factory achieve top spot in BAT global rank in tobacco wastage in H1'24 and also assisted BAT Kenya, Nigeria, Srilanka, Algeria, Turkey teams for tobacco wastage & quality improvement initiatives
- Led the department for the accreditation of IWS phase 2 in 2023, while contributing directly to 4 pillars of IWS (Quality, Loss Elimination, Autonomous Maintenance, Organization)
- Prepared the department for successful Global EHS Audit 2022

**Quality Maintenance Lead, Quality** | Jul 2019 – Jan 2022

- Deployed online quality software, saving 8,000+ man-hours/year
- Installed Moisture Meter independently without OEM support for the very first time
- Achieved zero non-conformities in the Global Manufacturing Audit 2021 and assisted BAT Papua New Guinea Team for Quality part of Global Manufacturing Audit

**Intern, Eskayef Pharmaceuticals Ltd, Bangladesh** | Aug 2017 – Oct 2017

- Assisted in equipment maintenance, scheduling and process improvement

## ACADEMIC EXPERIENCE

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### **Graduate Teaching Assistant, Clarkson University | May 2025 – Present**

- Supporting undergraduate labs and assignments in mechanical systems

## LEADERSHIP EXPERIENCE

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### **Councilor, Clarkson University Graduate Student Association (CUGSA) | October 2025 – Present**

- Helped to organize events like “Open Mic & Trivia Night” and “Halloween” in Clarkson University

### **President, Bangladeshi Students' Association at Clarkson University (BSACU) | January 2026 – Present**

### **Treasurer, Bangladeshi Students' Association at Clarkson University (BSACU) | July 2025 – December 2025**

- Managed funding for the events like yearly Bangladeshi Night 2025 and freshers' reception

### **President, BUET Debating Club | Oct 2017 – Nov 2018**

- Arranged the BUETDC National Debate Championship 2018 and Inter Faculty Debate Tournament 2017

### **Vice President, Notre Dame Debating Club | Jan 2013 – Dec 2013**

- Spearheaded the organization of the National Debate Tournament 2013 at Notre Dame College

### **President, Ideal Debating Club | May 2010 – April 2011**

- Arranged National Debate Tournament 2010 in Motijheel Ideal School & College

## RESEARCH PUBLICATIONS

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- Ultrasonic Quality Assessment for Real-Time Release Testing of Solid Dosage Forms in Continuous Manufacturing: A Microstructure-Centric Approach (2026 IFPAC Annual Meeting)
- Uniaxial and Cyclic Stress-Strain Behavior of Lead-Free Solder at Nanoscale (AIP Conf. Proc., 2021)
- Machining-Induced Modifications of Stress Corrosion Crack Growth in 304 Stainless Steel (ICERIE, 2019)

## AWARDS AND HONORS

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### Professional Awards

- Honor Club – BAT Bangladesh (for Global Best Results in Tobacco Wastage) | 2024
- Shout-out Superstar Award – BAT Bangladesh (for Top Trainer in Skill Matrix) | 2023
- Impact Award Silver – BAT Bangladesh (for Tobacco Moisture SD Improvement) | 2023
- Initiative of the Year – BAT Bangladesh (for Blend Localization & Waste Reduction) | 2023

### Case & Debate Competition Awards

- Mechanical Festival Winner- arranged by Mechanical Engineering Association of BUET (in Engineering Case Competition and Poster Presentation categories) | 2018
- National Robotech Festival Champion – Ministry of IT of Government of Bangladesh | 2017
- Renewable Energy Competition Winner- Ministry of Power, Energy & Mineral Resources of GOB | 2017
- Hult Prize- Regional Finalist, Shanghai and Champion Team from BUET | 2017
- Presidential Award – Bangladesh Debate Federation | 2011
- Bengali Debater – Champion (40), Runner-Up (18), Best Speaker (20) | 2008-2018
- Represented BUET and Bangladesh in Asian British Parliamentary Debate in Indonesia and Malaysia | 2015 and 2016