

# Ahmad Rasheeq Faiyaz Bitto

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## PROFESSIONAL SUMMARY

Result-driven Mechanical Engineer with 5+ years of industrial experience in manufacturing operations, quality assurance, and team leadership at British American Tobacco. Currently pursuing an M.S. in Mechanical Engineering from Clarkson University, with a strong focus on data-driven process improvement and operational excellence. Recognized for driving quality gains, reducing production waste, and leading global audits.

## EDUCATION

Clarkson University, Potsdam, NY  
Master of Science in Mechanical Engineering  
May 2025 – Present

Bangladesh University of Engineering & Technology (BUET)  
Bachelor of Science in Mechanical Engineering | GPA: 3.67/4.00  
June 2014 – October 2018

## INDUSTRY EXPERIENCE

British American Tobacco Bangladesh

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 compliance, and quality.

Team Leader, Manufacturing | Feb 2022 – Jul 2024

- Led a team of 12 in achieving the lowest tobacco wastage in factory history.
- Delivered best-ever product quality KPIs in 2023.
- Coordinated multiple NPI projects: Dual Strike, Icon, Bond Street.
- Prepared the department for successful Global EHS Audit 2022.

Quality Maintenance Lead | Jul 2019 – Jan 2022

- Implemented the Global Manufacturing Execution System (GMES) for Quality
- Installed Moisture Meter independently without OEM support—first-time initiative.
- Achieved zero non-conformities in the Global Manufacturing Audit 2021.
- Deployed online quality software, saving 8,000+ man-hours/year.

## **ACADEMIC EXPERIENCE**

Graduate Teaching Assistant – Clarkson University | May 2025 – Present

- Supporting undergraduate labs and assignments in mechanical systems and design.

## **INTERNSHIP**

Eskayef Pharmaceuticals Ltd., Dhaka, Bangladesh | Aug 2017 – Oct 2017

- Assisted in equipment maintenance scheduling and process improvement.

## **PROJECTS & RESEARCH**

- 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)

## **LEADERSHIP & EXTRACURRICULARS**

- President, BUET Debating Club (2017–2018)
- Vice President, Notre Dame Debating Club (2012–2013)
- President, Ideal Debating Club (2010–2011)
- Bengali Debater – Champion (40), Runner-Up (18), Best Speaker (20) | 2008–2018

## **AWARDS & HONORS**

- Shout-out Superstar Award – BAT Bangladesh, 2023 (Top Trainer in Skill Matrix)
- Impact Award Silver – BAT Bangladesh, 2024 (Tobacco Moisture SD Improvement)
- Honor Club – Global Best Results in Tobacco Wastage
- Initiative of the Year – Blend Localization & Waste Reduction
- National Robotech Festival Champion – Simulation & Nanotech, 2017
- Hult Prize Regional Finalist, Shanghai – Champion Team from BUET, 2017
- Presidential Award – Bangladesh Debate Federation, 2011

## **TECHNICAL SKILLS**

- Software: AutoCAD, SolidWorks, Microsoft Office Suite
- Programming: MATLAB, C/C++, Anaconda (Python)
- Industrial Systems: GMES, Online Quality Monitoring Tools