

SADMAN SAKIB KHAN

PHONE: +8801799603608

ADDRESS: Mahadan, Baroipatal (2052), Sarishabari, Jamalpur

EMAIL: sadmansakibkhan3608@gmail.com

LINKEDIN: <https://www.linkedin.com/in/sadman-sakib-khan/>

WEBSITE: <https://sadmansakibkhan.live/>



SUMMARY

Motivated and detail-oriented Materials and Metallurgical Engineering graduate from BUET, seeking to begin my professional journey at a leading industrial organization like **Anwar Ispat**. Equipped with hands-on experience in materials analysis, quality control, and metallurgical testing, with academic exposure to failure analysis and manufacturing processes relevant to melt shop and scrap yard operations. Proven leadership in extracurricular initiatives, combined with strong communication, teamwork, and documentation skills. Proficient in SolidWorks, MATLAB, and programming tools, with a strong drive for continuous learning and practical problem-solving in industrial metallurgy.

EDUCATION

Bangladesh University of Engineering and Technology (BUET)
Bachelor of Science in Materials & Metallurgical Engineering
GPA: 3.24/4.0

February 2020 - March 2025

Shahid Syed Nazrul Islam College, Mymensingh
Higher Secondary School Certificate (HSC), Science
GPA: 5.0/5.0

June 2017 – June 2019

Government Laboratory High School, Mymensingh
Secondary School Certificate (SSC), Science
GPA: 5.0/5.0

January 2012 – March 2017

EXPERIENCE

DBL Ceramics Ltd., Gazipur, Dhaka, Bangladesh
Internship Trainee | June 2024

- **Gained hands-on exposure** to tile manufacturing processes, including raw material preparation, glazing, kiln firing, and finishing.
- **Conducted quality control tests** (water absorption, MOR, thermal shock, abrasion) and **identified production defects** to support process improvement.
- **Observed and analyzed** polishing, sorting, and packaging operations, ensuring adherence to product quality standards.

BUET Journalism Society

Academic & Scholarship Secretary | June 14, 2023 – January 2025

- Coordinated academic initiatives and scholarship programs for society members.
- Led online interviews with top-performing BUET teams, including ICPC finalists and journal authors awarded an MIT scholarship

PROJECTS

- **Capstone Project: Hydrogen Production from Wastewater:** Developed a solar-powered electrolysis process to produce hydrogen from industrial wastewater, using activated charcoal to reduce heavy metals and achieve sustainable energy production.
- **Artefact & Failure Analysis:** Conducted composition analysis (OES), mechanical testing, and microstructural analysis. Diagnosed brittle failure in welded sample due to slag inclusion.

VOLUNTEERING & LEADERSHIP

Badhon (Voluntary Blood Donors' Organization)

Vice President | Dr. M A Rashid Hall, BUET Zone

- Organized blood donation drives and leads awareness campaigns.

Materials Research Center

Volunteer | Materials Symposium 2025 (IMR-CIA 2025)

- Worked on the documentation team, creating posters, brochures, and sponsorship letters.
- Designed and managed the registration form related tasks.

Event Management

Materials and Metallurgical Engineering Fest

- Managed the food sector, organizing dinner for four hundred attendees with a team.

KEY SKILLS

- **Technical Skills:** Failure Analysis & Metallography, Nondestructive Testing (NDT), Quality Control, Mechanical Testing
- **Event Management:** Planning, coordination, and logistics for large-scale events
- **Documentation:** Poster design, brochure creation, and report preparation
- **Software Proficiency:** SolidWorks, Python, C/C++ Programming, MATLAB, CES EduPack
- **Soft Skills:** Leadership, Written Communication, Team Collaboration