

SADMAN SADIK , CSCA™

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EDUCATION

January, 2020 – Til Now

Khulna University of Engineering and Technology

BSC. Engineering in Leather Engineering

CGPA: 3.32 (Till 7th semester) – (Top 10% of class)

- Technical Scholarship Award: 2022, 2023, 2024.
- Thesis Title: *Thermally activated goat hair adsorbent for wastewater treatment.*

June 2017 – May 2019

Saidpur Govt. Science College

Higher Secondary Certificate Examination, HSC.

GPA: 5.00

January 2015 – April 2017

Thakurgaon Govt. Boys High School

Secondary School Certificate Examination, SSC.

GPA: 5.00

RESEARCH INTERESTS

- Water Engineering – *Treatment process, Heavy metal removal, Parameter control.*
- Chemical Engineering – *Adsorption technology, Bio Fuel, Bio adsorbent materials, Composites.*
- Waste management – *Waste to wealth technology, Pollution load control.*
- Machine Learning – *AI, ML, DL , Neural network for environment and water engineering.*

PUBLICATIONS

Conference Articles and Posters-

[1] Water Consumption and Conservation Practices Knowledge and Behavioral Pattern Among University Students in Bangladesh. [\[Link\]](#)

[2] Optimize Data Pre-Processing to Enhance the Predictability of Energy Consumption and Effecting Factors in Wastewater Treatment Plant – WWTP. [\[Link\]](#)

[3] Thermally Activated Keratinous Waste to Turbidity Removal from Tannery Wastewater: Waste-to-Waste Treatment Approach. [\[Link\]](#)

[4] Industrial Workers' Efficiency in Indian Subcontinent: A Machine Learning Model Approach. [\[Link\]](#)

[5] Conversion and Characterization of Bio-Diesel from Tannery Solid Waste. [\[Link\]](#)

On going research projects-

- [1] Foot Length Growth of Infants in Bangladesh, A Machine Learning Approach.
- [2] Nitrogen Prediction Cycle in Marine Water- Forecasting and Machine Learning Model.

HONORS & SCHOLERSHIPS

1. **Best Research Presentation Award on ICETSD – 2025 in Jessore, Bangladesh.**
2. **Winner and 70% Scholarship ISCEA PTAK Global Supply Chain Case competition, 2024.**
Achieved 70% scholarship for completing the course for the professional certification titled Certified Supply Chain Analyst (CSCA).
3. **Attending Formula SAE, at ECOPA Japan, 2023 – A Formula Student Racing Car Competition.**
I work with Business plan presentation which secure 32th position among 77 countries. And our car design passed the mechanical inspection.
4. **Best Research Award Price at Seminar on Leather Engineering, KUET 2023.**
Poster was present titled “Fire protective automotive seat leather from orange peel preservation of Leather.
5. **Champion – Professional skill test by “Prism KUET”, 2022.**
Departmental club prism organized case competition and office software literacy and practices course and I was secured the winner place.

TEACHING EXPERIENCE

- **Chemistry Instructor, 10 Minute School.** (August, 2020 to March, 2021)
10 Minute School is the largest edtech platform in Bangladesh where over 3 million students are connected with it. In COVID-19 periods , I joined with the team in under 6 months “Teach from Home” projects.
- **Programming Instructor, Neuronite.** (June 2023 to March, 2025)
“Neuronite” is a departmental programming and software skill development club in university where my role was an c and python programming instructor. Also, I was conducting business case, management topics classes among club members.
- **Mentoring.** In last 5 years, I mentored 500+ students in personal, academics problems.

LEADERSHIP & Co-CURRICUAR ACTIVITIES

- August , 2024 – June, 2025 **President, KUET Research Society, LE Unit.**
Maintain the departmental committee. Sharing research knowledges. Buildup networking and facilities for interested research students.
- April , 2024 – June, 2025 **General Secretary, Neuronite.**
My role was to maintain overall management of club, taking class on programming and software skills.
- April , 2024 – June, 2025 **Sector Lead, Team KILO FLIGHT.**
Working in business and proposal team. Having experience with sponsorship management. Also having experience with working formula student car manufacturing and assembling processes.

- May , 2024 – June, 2025 **Logistics Secretary, KBEC.**
KBEC is a business and entrepreneurship club in KUET, organized national level case and idea competition. It also organized TEDx KUET. I was a volunteer on that event and working on content writing section.
- April , 2024 – June, 2025 **Editing Head, KUET RADIO.**
KUET Radio is campus news sharing and event cover platform where I contribute as a Head of editing section and manage the editing sections.

INDUSTRIAL VISITS & ATTACHMENTS

- **MAF Shoe Industries Limited, Chittagong.** (December-2025)
Visit the footwear manufacturing unit and ETP plant. This company produce shoe for Decathlon and others worlds famous shoe brands.
- **Apex Footwear Limited, Gazipur.** (January-2024)
15 Days Industrial Attachment where cover both leather and synthetic manufacturing unit. Attended several sessions on business, product development, supply chain and industrial Engineering.
- **Suzuki Hamamatsu Plant, JAPAN.** (August-2023)
Visit the automobile plant, historic museum and gather knowledge about automobile industry business and manufacturing.
- **SAF Leather Industries Limited, Jessore.** (September-2022)
Visit the tannery plant and observed the different leather manufacturing process from raw to finished states.
- **Sugar Mills Limited, Thakurgaon.** (March-2021)
Visit the govt. owned sugar producing plant. Learned the manufacturing process and also visit the ETP plants.

CERTIFICATES

- Certified supply chain analyst, CSCA. [\[Link\]](#)
- Quantum Mechanics by University of Colorado Boulder. [\[Link\]](#)
- Digital Journalism by Reuters. [\[Link\]](#)
- Google Sheet course by Google Cloud .[\[Link\]](#)