

MD ASIF KHAN NIRJON

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 : Netrakona , Mymensingh

Objective

Passionate and dedicated Mechanical Engineering undergraduate seeking to pursue higher studies and professional opportunities. Skilled in mechanical design, simulation, CAD modeling, and creative fields like photography and graphic design.

Education

Bachelor of Science (B.Sc.) in Mechanical Engineering

Hajee Mohammad Danesh Science and Technology University (HSTU), Dinajpur, Bangladesh

Expected Graduation: 2027

CGPA: 3.39

Technical Skills

- 3D Modeling & Design: SOLIDWORKS, Key Shot
- Simulation & Analysis: ANSYS
- Graphic Design: Adobe Illustrator, Adobe Photoshop
- Office Applications: Microsoft Word, Excel, PowerPoint (Certified by Bangladesh Technical Education Board)
- Other Skills: Basic Programming, Technical Documentation

Projects & Competitions

- **Soccer Bot Competition (KUET, 2024)**
 - Participated in designing and developing an autonomous soccer-playing robot, focusing on mechanical structure optimization and sensor integration.
- **SolidWorks Based Design Projects**
 - Created multiple 3D mechanical components and assemblies with realistic rendering using Key Shot.

- **Agricultural Sprayer Machine (Thesis Collaboration, 2025)**
 - Contributed to a thesis project by designing a **SolidWorks-based ground sprayer machine** for efficient pesticide and fertilizer application in farming. Focused on structural optimization and functional design

Certifications

- Microsoft Office Applications Proficiency Certified by Bangladesh Technical Education Board (BTEB)
- Participated in advanced SOLIDWORKS modeling and optimization sessions | 2025
- Graphic Design Certification (Adobe Illustrator & Photoshop) from Udemy
- Data Analysis with MATLAB under EDGE, project of Bangladesh Computer Council, ICT Division

Workshops & Seminars

- Advanced Mate Optimization (Dassault Systems & SWUGN, 2025)
- Modifying Geometry Using Complex Part (Dassault Systems & SWUGN, 2025)
- International Online Seminar on SOLIDWORKS (2025)
- Advanced Mate Optimization - SolidWorks User Group Network (SWUGN) Certificate of Participation featuring Nairobi City SWUGN, Kenya | February 27, 2025
- International Online Seminar on SOLIDWORKS Participated in advanced SOLIDWORKS modeling and optimization sessions | 2025
- Modifying Geometry Using Complex Part - SolidWorks User Group Network (SWUGN) Certificate of Participation featuring Nairobi City SWUGN, Kenya | February 26, 2025

Memberships

Member, HSTU Photography Society

Member, SolidWorks User Group Bangladesh (SWUG Bangladesh)

Extracurricular Activities

Robotics and Automation Enthusiast

Photography (Creative and Technical)

Graphic Design (Poster Design, Logo Design, Event Branding)