

Titu Nath

BSc. in Mechanical Engineering

As a final-year mechanical engineering student with a proven track record of excellence in academics, leadership, and international competitions, I aspire to bring my skills and passion for innovation to a dynamic career in mechanical engineering.

[✉ nathitnu190508@gmail.com](mailto:nathitnu190508@gmail.com)

[📞 +8801836856003](tel:+8801836856003)

[🔗 Shaheed Smriti Hall, KUET](#)

[LinkedIn](#) [GitHub](#) [Email](#)



About Me

Professional Summary

As a final-year mechanical engineering student with a proven track record of excellence in academics, leadership, and international competitions, I aspire to bring my skills and passion for innovation to a dynamic career in mechanical engineering. With a keen ability for analytical problem-solving, strong communication, decision making, teamwork and exceptional organizational skills, I aim to contribute to cutting-edge projects, drive efficiency, and adapt to evolving industry demands.

Education

● **January 2020 - April 2025 (Expected)**

Bachelor of Science in Mechanical Engineering

Khulna University of Engineering & Technology

CGPA: 3.62/4.00 (Upto 7th semester)

● **May 2017 - June 2019**

Higher Secondary Certificate (HSC)

Chittagong Engineering University School & College

GPA: 5.00/5.00

● **January 2015 - April 2017**

Secondary School Certificate (SSC)

Rangunia Khilmogal Rashik High School

GPA: 5.00/5.00

Technical Skills

Engineering Software
Ansys
SOLIDWORKS
Abaqus CAE
AutoCAD

Programming Languages
C
MATLAB

Data Analysis & Documentation
Origin
Microsoft Excel
Microsoft Word
Microsoft PowerPoint

Image Processing & Others
Adobe Photoshop
Adobe Lightroom
Adobe Illustrator
Photography

Certifications

[CSWA](#) [Introduction to AutoCAD \(From EDGE\)](#)

Projects

Thesis Project

Investigating Hemodynamic Changes in Bifurcated Arteries with Varying Eccentricity Using Nanofluid Simulation

Carried out pioneering research to improve the hemodynamics changes of blood flow in bifurcated arteries using nanomedicine. This ongoing research (Jan 2024-Present) explores innovative approaches to understanding and improving blood flow dynamics.

[Learn More](#)

Formula Student Racing Car

Automotive Project (Non-Academic)

Actively involved for nearly three years with mechanical control, fuel, cooling, and lubrication systems, as well as aerodynamics and body systems, for the first-ever Formula Student team from KUET. Participated in Formula Student UK (concept class) and Formula SAE-2023, Japan (on-site), and successfully passed "Mechanical Inspection" for the first time from Bangladesh despite having uncountable difficulties and limited opportunities.

[Learn More](#)

Thermoelectric Refrigerator

Construction and Performance Test Using Peltier Effect

Conducted extensive research on thermoelectric refrigeration using the Peltier effect. A thermoelectric refrigerator was built to observe the cooling effect under different conditions. This academic project (November 2022 - December 2023) explored sustainable cooling technologies.

[Learn More](#)

Achievements

International Events

● **Formula Student UK (2021, 2022)**

Participated in the concept class competition

● **Formula Student Japan (2023)**

On-site participation with impressive rankings:

- Overall: 32/77
- Cost: 29/77
- Design: 30/77
- Business Presentation: 32/77

Awards and Scholarships

● **Dean's Award (2022-23)**

For keeping CGPA of 3.75 or above in one academic year

● **Undergraduate Technical Scholarship (2020-2024)**

Awarded for academic excellence

Extracurricular Certificates

[Best Volunteer Award & Best Co-Organizer \(From Blood Donation Society of KUET\)](#)

[Presentation Award \(From KUIC\)](#)

[1st Runner-up in Diversity S5 \(Intra KUET Photography contest\)](#)

Voluntary Activities

DREAM-Voluntary Blood Donation Society, KUET

2020-2024

I contributed to the club for nearly 4 years, managing blood donor coordination among campus students, organizing blood donation campaigns, and facilitating the process of connecting individuals in need of blood with willing donors. As a pioneer member, I was crucial in encouraging volunteer teamwork, participating in critical decision-making, and effectively communicating with a varied spectrum of persons to promote blood donation.

[Volunteer \(2020-2023\)](#)

[Treasurer \(2023-present\)](#)

Event Organization

● **Ignition - 2023 (National Mechanical Festival)**

Organizing Member

● **Workshop on C programming and Introduction to Robotics**

Instructor & Planner

● **Voluntary Blood Grouping Campaigns for Villagers**

Organizer and Planner

● **Workshop on Fundamentals of Automobile Engineering**

Instructor & Planner

● **Award Giving Ceremony of Blood Donors of KUET -2024**

Organizing Committee

Industrial Visits

HAMKO Group

Khorshed Metal Industries Abdullah Battery Co. (Pvt) Ltd
2023

Payra 1320 MW Thermal Power Plant

2023

Chattogram Port

2024

CV/Resume

View or download my complete CV to learn more about my education, experience, skills, and achievements.

[View CV](#)

[Download CV](#)

References

Dr. Mohammad Mashud

Professor

Dept. of Mechanical Engineering

Khulna University of Engineering & Technology (KUET)

Khulna-9203, Bangladesh

Email: mdmashud@me.kuet.ac.bd

Dr. Md. Ashraful Islam

Professor

Dept. of Mechanical Engineering

Khulna University of Engineering & Technology (KUET)

Khulna-9203, Bangladesh

Email: mdislam@me.kuet.ac.bd