Mohammad Akhtaruzzaman Nadim

Mechanical - Automotive Engineer

Mobile: +601161215505, **Email:** akhtaruzzaman.nadim@gmail.com
Whatsapp: +601161215505, **LinkedIn:** www.linkedin.com/in/nadim89
Present Address: KDOJ, UTM, 81310, Johor Bahru, Johor, Malaysia
Nationality: Bangladeshi, **Date of Birth:** 10/07/1995

Professional Goals

Looking for a position in a dynamic organization where my knowledge of mechanical and automotive engineering will contribute to achieving the company's goals. I am looking forward to working with a dynamic team that will help me in realizing my potential and goals while working towards the goals of the company.

Work Experience

Research and Development Intern

NEUTO Sdn. Bhd. | Johor, Malaysia | July 2020 - October 2020

NEUTO is an award-winning clean technology company. They provide integrated engineering solutions to promote hydrogen as clean and efficient energy and commercialize a wide range of innovative smart, intelligent industrial, and transportation systems.
Responsibilities during my internship:

- Design a Hydrogen Canister Water Tank in SOLIDWORKS for a hydrogen canister refuelling machine.
- Design a Hybrid Air-Conditioning System for Heavy vehicles to reduce fuel consumption.
- Design different types of components by standard dimension using Solidworks.
- To create installation manuals for their various types of products.

Internship Trainee (Automotive)

BMW Bangladesh | Dhaka, Bangladesh | September 2015 - November 2015

BMW Bangladesh is the Official BMW car dealer and after-sales service company in Bangladesh, previously named BMW-Executive Motors Limited. I worked in this company for three months as an intern under the supervision of a BMW expert automotive service engineer.
Responsibilities during my internship:

- Repair and maintenance of BMW vehicles as per the instructions of experienced BMW engineers.
- Identified the various problems of BMW cars with the help of BMW's experienced engineers and technicians.
- Complete the Pre-Delivery Inspection (PDI) of all-new BMW vehicles with the help of experienced BMW technicians.

Education

Bachelor of Engineering (Mechanical - Automotive)

March 2022

Universiti Teknologi Malaysia | Johor, Malaysia

- Major in Mechanical Engineering and Minor specialization in Automotive Engineering
- Bachelor Thesis Title: Visualization of Full Car Ride Model motions in the Virtual World
- Result: CGPA 3.05 out of 4.00

Diploma in Engineering

April 2016

Dhaka Polytechnic Institute | Dhaka, Bangladesh

- Department: Automobile Technology
- Duration of the degree: 4 Years
- Result: CGPA 3.63 out of 4.00

Secondary School Certificate (SSC)

May 2011

Rayer Bazar High School | Dhaka, Bangladesh

- Department: Science
- Result: GPA 4.63 out of 5.00
- Subjects: Physics (A+), Chemistry (A+), Mathematics (A+), Biology (A+), Higher Mathematics (A+)

Interpersonal Skills

- Ability to work in a fast-paced environment
- Fast learning ability
- Strong logical and analytical skills
- Outstanding written and verbal skills
- Strong background in mathematics and physics
- Excellent knowledge in information technology
- Strong knowledge of current automotive technology
- Excellent capability to work in a group environment
- Understanding of essential automotive terms and system

Technical Skills

- Microsoft Office (Advanced)
- SOLIDWORKS (*Intermediate*)
- MATLAB (*Intermediate*)
- AutoCAD (*Intermediate*)
- Adobe Photoshop (*Intermediate*)
- C Programming (Basic)
- Python Programming (Basic)
- Arduino Programming (Basic)
- Video Editing (Advanced)

Language Proficiency

English: Professional Proficiency

Bangla: Native or Mother Tough

Malay: Elementary

Projects

- Visualization of Full Car Ride Model motions in the Virtual World. (Final Year Project)
- Design and development of an electronic control system to switch on a DC motor based on the distance measured by the ultrasonic sensor.
- Finite Element Analysis on a Bicycle Frame
- Design a powertrain for a 7-seater multi-purpose vehicle
- Depth study on the advancement of Hybrid Car Technology
- Design and Development of a Portable Recreational Electric Car
- Develop an electric mini go-kart with a breaking and speed control system
- To design and develop a toppling dominoes structure arrangement to slow down the dominoes effect.
- Develop a full car ride model in MATLAB/Simulink to determine the ride comfort performance level of the vehicle.
- Design and develop a sorting machine capable of sorting recyclable materials, such as aluminium cans, plastic bottles, and Boxed Drinks.

Extra Cocurricular Activity

Besides my academic studies, I actively participated in lots of co-curricular activities at my university. I have participated in more than 130 events and programs. Most of the events and programs are related to academics, innovation, leadership, social, cultural, entrepreneurship, sport, voluntary activities etc.

UTM Professional Skill Certificate Courses

- Design Thinking for Entrepreneur
- Talent and Competency Management
- ISO 9001:2015 Quality Management System Requirement
- Occupational Safety, Health & Environment (OSHE)
- English Communication Skills for Graduating Students (ECS)

References

Prof. Ir. Dr. Shuhaimi Bin Mansor
(Academic Advisor)

Assistant Dean
External & Global Engagement
Faculty of Engineering
School of Mechanical Engineering
Universiti Teknologi Malaysia
Email: shuhaimi@utm.my
Mobile: +60197799778

Ts. Dr. Saiful Anuar Abu Bakar
(Bachelor Thesis Supervisor)

Head of Automotive Program
Department of Aeronautics, Automotive and Ocean Engineering
School of Mechanical Engineering
Faculty of Engineering
Universiti Teknologi Malaysia
Email: saifulanuar@utm.my
Tel : +60137383714