

OMAR SAIF

Mechanical Engineer with three years of experience in mechanical design, manufacturing and numerical modeling. Certified associate designer with 200+ individual design and development projects between two different companies. Currently seeking a PhD position; focusing on mechanical design and modelling.

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🌐 [omarsaifme.github.io](https://github.com/omarsaifme)

Work Experience	Research Associate <i>Participatory Management ID</i> <ul style="list-style-type: none">Data AnalystField Research Correspondent	Dhaka, BD Apr, 2024 – June, 2025
	Sr. Deputy Assistant Director <i>Walton Hi-Tech Industries PLC</i> <ul style="list-style-type: none">Structural Designer, VRF Outdoor UnitsModel Manager, FCU and ERV UnitsFair and Exhibition Coordinator	Dhaka, BD Oct, 2021 – May, 2022
	Jr. Mechanical Engineer <i>Brightbirds Bedrijfsbureau (NL)</i> <ul style="list-style-type: none">Designer, Heavy Machineries and AccessoriesResearch Assistant	Dhaka, BD May, 2019 – Sep, 2021
Technical Skills	Mechanical Design and Analysis <ul style="list-style-type: none">SolidWorksAutodesk InventorAutoCADANSYS	Miscellaneous <ul style="list-style-type: none">PythonKeyshotFARO SceneC++
Education	Bachelor of Science in Mechanical Engineering <i>Ahsanullah University of Science and Technology</i> <u>Majors Included</u> – Fluid Mechanics, Machine Design, Composites, Thermodynamics, Mechatronics, Heat and Mass Transfer, Numerical Analysis.	Dhaka, BD 2013 – 2019
	Higher Secondary School Certificate Notre Dame College <u>Major</u> – Science	Dhaka, BD 2010 – 2012
	Secondary School Certificate Dhaka Residential Model College <u>Major</u> – Science	Dhaka, BD 2008 – 2010
Undergraduate Thesis	Comparison of Lift & Drag of Different Bird Wings by Numerical Analysis <ul style="list-style-type: none">Conducted CFD analysis comparing bio-inspired and conventional straight wings across multiple angles of attackEvaluated lift, drag, and other parameters to assess aerodynamic efficiencyFound bio-inspired design offered higher lift and better high-angle performance, highlighting applications in maneuverability	Dhaka, BD 2018 – 2019

Notable Certificates	Certified SolidWorks Associate, Mechanical Design <i>Dassault Systems</i>	Jul, 2021
	Innovation through Design: Think, Make, Break, Repeat <i>The University of Sydney</i>	Jan, 2021
	Python for Beginners <i>Udemy Academy</i>	Feb, 2021
	Flow over an Airfoil <i>ANSYS</i>	Dec, 2023

Hobbies



Books



Chess



e-Sport



Photography