



EDUCATION

Program	Institution	%/CGPA	Year
M.Tech Thermal Engineering	IIT Madras	8.24	2020-present
B.Tech Mechanical Engineering	Z.H.C.E.T., A.M.U.	8.600	2015-19
Class XII (A.M.U. Board)	SSS(+2) Boys, A.M.U.	87.00	2014-15
Class X (A.M.U. Board)	City High School, A.M.U.	87.00	2012-13

SCHOLASTIC ACHIEVEMENTS

- Secured All India Rank 217 in GATE 2020 in Mechanical Engineering
- Secured All India Rank 71 in 3rd Indian Engineering Olympiad
- Secured 158 State rank in International English Olympiad
- Qualified for the city level of IKEN Scientifica

RELEVANT COURSES AND SKILLS

ME5103- Incompressible Fluid flow	ME5105-Applied Thermodynamics	ME5101-Advanced Heat & Mass Transfer
AM5630-Foundations of Computational Fluid Dynamics	ME5107-Numerical Methods in Thermal Engineering	ME5110-Inverse Methods in Heat Transfer
Programming Languages: C++, FORTRAN, MATLAB, Python(NumPy,Pandas)		Software: MS Office Suite, Siemens NX(BASICS), LabVIEW, COMSOL

PROFESSIONAL EXPERIENCES

- Summer Internship** (May '18 – Jul'18)
Vocational training in NSIC – (May 18- June 18)
Hands on experience of VMC, CNC Lathe and line cutting in addition to 3D printing models made in SOLIDWORKS

PROJECTS

- M.Tech Project, Guide: Prof. Ashis Kumar Sen (IIT Madras)**
Dynamics of Acoustically trapped particle in interference of waves
(May'21 - present)
 - Built COMSOL model for simulating particle trapping using 2 acoustic standing waves at an angle
 - Investigating particle behaviour in interference of waves using non-linear dynamics model
- B.Tech Final Year Project, Guide: Prof. M.F.S. Baig (Z.H.C.E.T., A.M.U.)**
Turbulent drag reduction in compressible channel flow using weak pressure perturbations
(May'18 – May'19)
 - Simulated 3D channel flow incorporating acoustic devices on channel walls using MPI
 - Achieved drag reduction up-to 6 percent

Research Papers

Evaluation of Agricultural Waste Natural Fiber as an Acoustic Absorber for Reduction of Industrial Noise. Kamal T., Wajih I., Sharma V., Rafat Y., Siddiqui M.A. (2021). In: Muzammil M., Khan A.A., Hasan F. (eds) Ergonomics for Improved Productivity. Design Science and Innovation. Springer, Singapore. https://doi.org/10.1007/978-981-15-9054-2_38

POSITION OF RESPONSIBILITIES

- Volunteered in 46th National Symposium on Acoustics (NSA-2017)** (Oct 28-30, 2017)
Responsible for contacting and co-ordinating with attendees and fundraisers

WORKSHOPS ATTENDED

- Workshop on Fluid Mechanics and its applications** (Mar 29, 2017)
- Arduino and Embedded System Workshop** (Oct 8, 2017)
- Workshop on Data Analytics using Python** (Oct-Nov, 2018)

Hobbies

- Reading books and manga
- Playing chess, football and video games

Objective

I am seeking a working environment where I can utilise my knowledge and problem-solving skills and learn more to further grow into a valuable asset for any organizations that may employ me.