



EDUCATIONAL QUALIFICATIONS

Program	Institution	Year of completion	CGPA/%
Dual Degree: Aerospace Engineering	Indian Institute of Technology Madras	2020	6.15/10
XII, BIE, Telangana	Narayana Junior College, Hyderabad	2015	90%
X, SSC Board, AP	Sri Gurukula Vidhyalayam, Narsampet	2013	8.7/10

PROFESSIONAL EXPERIENCE

National Aerospace Laboratories (NAL, Bangalore)

May'19 – June'19

- Worked on Shock/ Turbulent Boundary Layer Interactions in Experimental Aerodynamic Division (CSIR)
- Analyzed the effects of airflow over cavities in high speed fighter aircrafts used to carry missiles and weapons.
- Proposed modifications to the design to minimize drag, vibrations and noise caused due to their unsteady flow dynamics

COURSE PROJECTS

Design of UAV and MAV

- AS5213, Course project, Prof Ranjith Mohan
- Developed a SolidWorks model of Twin Fuselage Aircraft
- Used XFLR5 and AVL design programs for aerodynamic and stability analysis of the Aircraft
- Designed a 2kg Aircraft which can carry a payload of 300 grams which cruise speed 10m/s.

Mini Project- Structural Design

- Built a Blended Wing Body (BWB) Unmanned Aerial Vehicle(UAV) with an endurance of 25 min to carry payload of 0.5kg with a range of 5km so as to carry out rescue operations, crowd management, surveillance operations, mapping damaged areas and many others.

Characterization of Flow separation over Airfoil (on going)

- Observing airflow over airfoil under varying pressure conditions and checking the flow separation points practically relating to the available analytically calculated points.

COURSE WORK

- Probability, Statistics & Stochastic Processes
- Bio Statistics
- Series and Matrices
- Differential Equations
- Introduction to programming
- Functions of several variables
- Complex Numbers
- Strategies for professional growth

TECHNICAL SKILLS

- C Language, Python, R
- Statistical Analysis
- LaTeX
- Microsoft Office
- Photoshop
- AutoCAD

POSITIONS OF RESPONSIBILITIES

Security Super Coordinator | Saarang

2018-2019

- Lead a team of 10 coordinators to ensure safety and security during Saarang for a footfall of over 70,000
- Installation and monitoring of surveillance cameras at various locations during Saarang
- Successfully managed security storage locker facility for visitors of all 5 events at OAT during Saarang
- Ensured safety during all OAT events by thorough security checks of every visitor as per safety guidelines
- Budgeting and negotiating end to end deal with vendors for walkie-talkies, wrist-bands, breath analyzers etc.

Hospitality Coordinator | Inter IIT Sports Meet

2017

- Successfully handled accommodation, transportation and facilities for over 500 participants from 3 IITs
- Ensured a great stay here at IIT Madras by serving as a primary contact point for students in 2 hostels

CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

- **Inter IIT Sports Team Member** 2015
One of the two persons selected for Inter IIT team in 5km Athletics Run Category for Inter IIT Sports Meet
- **Dean's Trophy** 2016
Achieved **2nd place** in Dean's Trophy Run for **8km** among all institute student participants
Achieved **7th place** in Dean's Trophy Cycling for **8km** among all institute student participants
- **Samanvay Event** 2018
Achieved 4th position among 1000 runners in an event organized by DoMS, IIT Madras
- **NSO** 2015
Selected in Athletics team of NSO alongside 30 members
- Built a glider in workshop conducted by Aero club – CFI 2015
- Built a destructive bot in workshop conducted by iBot club - CFI 2015

*Saarang – Annual Cultural Fest of IIT Madras