



MURTHAZA IRFAN A V

AERONAUTICAL ENGINEER

An innovative engineer who is ambitious to build a career and secure challenging position where I can use my extensive skills to help my organization to achieve its goal of excellence. As well as expand my knowledge, learnings and skills to improvise myself and development of organization.

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EXPERIENCE

Indian Institute of Science (IISc), Bangalore (2022 - Present)

Project Associate at Department of Aerospace Engineering

ISRO-STC Project: Vibration Isolation using Bandgap Metamaterials

Mentor: Prof. Dr. Rajesh Chaunsali

Expleo Group Pvt Ltd, Bangalore (2022)

Trainee (Intern) – Aerostructures - Design Engineer

Part of ESI (Electrical System Installation) team under Aero-structure division, to check and design components as per Airbus standards.

Royal Nag Aviation, Bangalore (Intern) (2021)

Manufacturing company where I could understand concept of designing and structure of aircraft, and manufactured a full-scale functional model of Cessna 172 Aircraft (6 weeks)

EDUCATION

B.E - Aeronautical Engineering (2018-2022)

(Visvesvaraya Technological University)

East West College of Engineering **8.9 CGPA**

II PUC (12th) (2018)

(Department of Pre-University)

H K E S Sri Veerendra Patil P U College **87%**

SSLC (10th) (2016)

(Karnataka Secondary Education Board)

Vijaya Bharathi Public School **92%**

WORKSHOPS

- Took part and graduated in the 5 days International online program organized by **All Russian Science Festival and Valles Marineris International Space Agency** on the topic 'Introduction to Rocket & Satellite Engineering' (April 12-17, 2020).
- Participated in **Balsa Glider Workshop** held at EWCE-Yelahanka on August 30-31, 2019 organized by **HLI Model Sport** including Flying session of glider (2 days workshop).
- Completed **Introductory Program for Aerospace Structural Engineer Analysis** conducted by BridgeNow Academy.
- Completed **Basic HTML and Web Designing** by securing Distinction grade.

PROJECTS

ISRO-STC Project: Vibration Isolation using Bandgap Metamaterials

ISRO's Communication on the Move (COTM) and Satcom on the Move (SOTM) activities require precise pointing of electronic hardware. Therefore, to isolate vibration from broadband, this work will investigate possibility of making vibration isolators using bandgap metamaterials.

SBRL – Stratospheric Balloon Rocket Launcher

Solution for the high economic expenses and eliminate space debris as compared to other conventional methods of rocket launching methods.



TECHNICAL SKILLS

- Catia V5
- UG NX
- Machine Design
- Ansys
- Technical Writing
- SolidWorks
- COMSOL
- Adobe Illustrator
- Structural Analysis
- MS Office



KEY STRENGTH

- Good Communication Skill
- Good Leadership
- Time Management
- Attentive Listener
- Passionate
- Innovative Thinker



ACHIEVEMENTS

- Secured **1st place** in **Poster Illustration** organised by **Ewasthava, EWCE** (2021).
- Won **2nd place** in **Aircraft Sketching Event – The Da Vinci 4.0**, organized by Aerotrotaire club at EWCE (2020).
- Awarded **2nd place** in **IOT Quiz at ATRIA** Institute of Technology, organized by **XCELERATOR Innovation Challenge** (2018).
- **Best Performer of the year** at H K E S SVP PU College for securing **1st place** in all extra-curricular events (2017).
- Advance level-3 in **All India General Knowledge Examination**, as well as secured **Distinction** from 2010 to 2016 conducted by **CHRD**.
- **State level 2nd place, District level 1st place** and **Taluk level 1st place** in **Essay competition** organized by SYS (2015)
- **District Rank Holder** in **Science Talent Search Examination** organized by **CADO** (2011).



PERSONAL DETAILS

- Father's Name : MUFLIH PATHAYAPURA
- Mother's Name : NIMMI A V
- Date of Birth : 16th November 1999
- Gender : Male
- Blood Group : A+
- Languages Known : English, Hindi, Malayalam, Kannada, Tamil, Urdu, Arabic