

THARA A SANAL

Aeronautical Engineer

CONTACT

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CAREER OBJECTIVE

As an aeronautical engineer, I'm excited to apply what I've learned in aeronautical engineering and to contribute effectively to the design and development of innovative aerospace technologies. Eager to leverage my theoretical knowledge gained through coursework and hands-on experience to drive advancements in the field, with a commitment to continuous learning and growth. Eager to contribute to innovative projects while gaining further industry insights and professional growth. With a passion for contributing to impactful projects

EDUCATION

University/College : Rajadhani Institute of Engineering and Technology

Branch of Study : Aeronautical Engineering

University : APJ Abdul Kalam Technological University

CGPA : 8.06 (First Class with Distinction)

Batch : 2020-2024

School : Jawahar Central School, Kanjiramkulam

Board : Central Board Of Secondary Education(CBSE)

CGPA : 9.8

PROJECT

Mini Project : “Comparative Study Of Three Types Of Airfoil

Designs Symmetrical, Unsymmetrical and Supercritical airfoil”

Project : “Structural and Acoustic Analysis of Helicopter rotor blade using Metamaterial ”

Project : Done project at VSSC/ISRO on “Study of Variation of Aerodynamic Coefficients over a typical launch vehicle configuration using CFD Tools ”

EXPERIENCE

- **Intern at AI Engineering Service Limited (AIESL)**
Done 2 week of internship at **AI Engineering Service Limited MRO** Trivandrum, had familiarized with **COD** (Component Overhaul Division) and **Production Planning Department**.
- Completed a 3-month internship on **SYSTEM TOOL KIT software (STK)** by **SS TECHNOLOGIES** Bangalore.
- **Project Intern at ISRO/VSSC (Indian Space Research Organisation / Vikram Sarabhai Space Centre)**
Done **B Tech** Final year Project at **ISRO/ VSSC** at **AATD (Advanced Aerodynamic Technique Division)** AERO
- **Software Engineer at Capgemini Engineering**
Currently working as an **Airbus Supply Chain Procurement Professional** at **Capgemini Engineering**

WORKSHOPS AND CERTIFICATIONS

- Completed **MATHLAB** Workshop at **CET Trivandrum**
- Completed **Space Architecture workshop** organized by **AAKA SPACE STUDIO** at **CET Trivandrum**

- Completed **Fusion 360 Workshop** at **Indian Institute of Space Science and Technology (IIST)**
- Participated in a **Space Conference at IIST**
- Completed **Open VSP Workshop** at **Indian Institute of Space Science and Technology (IIST)**
- Completed **Advanced Model Rocketry** Workshop at **IIST**
- Completed a talk session on **ROCKET SCIENCE** organized by **IEEE**
- Completed a workshop on **Self Driving Electric Vehicle's** organized by **IIT Kharagpur**
- Completed a workshop on Basics of **AutoCAD** and **SketchUp** organized by **IIT Kharagpur**
- Currently doing **SolidWorks** Training and Certification at **CAAD Centre**
- Completed course in Coursera on the topic **From the Big Bang to Dark Energy**

SKILLS

Technical Skills

- ANSYS
- CATIA V5
- SolidWorks
- CFD++
- Pointwise
- Basics of Linux Shell scripting
- CFD
- Open VSP
- STK
- Basics of MATLAB
- MS Word
- MS Excel
- SAP MM
- Outlook
- Power Point

AREA OF INTREST

- Propulsion (non-airbreathing and airbreathing propulsion)
- Heat Transfer
- Thermodynamics
- Computational Fluid Dynamics
- Aerodynamics
- Aircraft Structures
- Mechanics of Flight and Aircraft Basics
- Mechanics of Fluid
- Rocketry and space mechanics
- Finite Element Method

LANGUAGE

- English: Professional Language, Read, Write, Speak
- Malayalam: Native Language