







BASHID SHANEIL HUSSAIN A R

Aerospace Engineer (Immediate Joiner)-Freelance Visa holder

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PROFESSIONAL SUMMARY

Results-driven **Aerospace Engineering** graduate with expertise in **Composites, CFD, FEA** and **NDT**. Demonstrated proficiency in **ANSYS Fluent/Mechanical, SolidWorks** and **MATLAB**. Proven **leadership** through academic project and industrial training in **Quality assurance** and **Composite material analysis**.

EXPERIENCE

Trainee - Quality Assurance

Renault Group, Oragadam, Chennai, Tamil Nadu, India

Sep 2025 - Nov 2025

- Pre-final stage **quality validation** of Automotive Trim & Chassis components
- Process optimization & Inspection** adherence to International standards
- Cross-functional collaboration for **Defect resolution** & assembly line efficiency

Trainee - Non-Destructive Testing (NDT)

SQS NDT Pacesetter, Trichy, Tamil Nadu, India

Jun 2023 - Jul 2023

- Hands-on training in **Radiography, Ultrasonic & Magnetic particle inspection**
- Practical **Defect detection & Aerospace component evaluation**
- Inspection report** preparation & **Quality assurance** documentation

Intern - Mechanical Engineering

Jagannathan Engineering Works, Trichy, Tamil Nadu, India

Oct 2021

- Component design, analysis & manufacturing** workflow observation
- Real-world **problem solving & teamwork** in engineering environment

EDUCATION

B.Tech - Aerospace Engineering

SASTRA Deemed University, Thanjavur, Tamil Nadu, India

Graduated: Aug 2025 | CGPA: 6.6/10

Higher Secondary (CBSE)

Kamala Niketan Montessori School, Trichy, Tamil Nadu, India

Score: 70.02%

Secondary Education (CBSE)

Samadh Senior Secondary School, Trichy, Tamil Nadu, India

Score: 9.6/10

PROJECTS

Active Flow Control using Plasma Actuators

CFD Analysis using **ANSYS Fluent** to enhance **NACA 2412** airfoil lift via **DBD Plasma actuators**. Evaluated **single & tandem configurations**, demonstrating significant **boundary layer control** improvements.

PET-based Composite Structural Analysis

FEA validation of **recycled PET composites** for **aerospace structures**. Demonstrated superior **strength-to-weight ratios** and **sustainability benefits**.

CORE SKILLS

ENGINEERING EXPERTISE

Composite Materials CFD FEA

Non-Destructive Testing(NDT)

Structural Analysis

Plasma Aerodynamics

SOFTWARE TOOLS

ANSYS SolidWorks OpenVSP

MS Office AutoCAD MATLAB

Python GO C++

PROFESSIONAL SKILLS

Leadership Team Management

Quality Assurance Problem Solving

Technical Documentation

CERTIFICATIONS

- NDT Certification** (Radiography, Ultrasonic, MPI)
- ANSYS Fluent & Mechanical** proficiency
- Industrial safety & standards**

LANGUAGES

- English
- Hindi
- Tamil
- Arabic

LEADERSHIP

- Head - Crew Infinity Dance Crew - Led the team to victory in the intra-college dance competition
- Actively participated in cricket, enhancing teamwork and strategic thinking skills