# A.BHARATHITHASAN

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**Design Engineer -** Aeronautical Development Establishment(ADE)

**Professional Experience:**

1. **Organization :**Aeronautical Development Establishment(ADE)

**Designation :** Design Engineer

**Period :** Apr 2018 to still now

**Responsibilities:**

* UAV (Rustom II ) Engine cowling design and modification using CATIA V5/V6
* UAV Wing structures Design and modification using CATIA V5/V6

1. **Organization :**TanejaAerospace and Aeronautical Limited (TAAL)

**Designation :**Graduate Engineer Trainee

**Period :**Dec 2015 to June 2016

**Responsibilities:**

* Jet engine Maintenance Repair and Overhaul (MRO)
* Aircraft components CAD modelling
* Rocket nose cone assembling.
* Horizontal stabilizer manufacturing and assembling.

1. **Organization:**Scanstar Inspection Services, Chennai

**Designation :**NDT Engineer

**Period :Dec 2013 to Nov 2014**

**Responsibilities:**

* Tube inspection in condenser using eddy current technique
* Surface infection of components made up of steel material using ultrasonic testing

**Equipments Handled:**

|  |  |
| --- | --- |
| Ultrasonic flaw detector technique - | Modsonic Einstein - II TFT and Anyscan-20 |
| Eddy current technique - | EEC-35++ EDDY CURRENT TESTER, ID Probe ,OD Probe and Surface Probe |

**Major Site Works Carried:**

* Global Steel, Chennai.
* Microne, Chennai.
* Precision Equipments Private Limited, Chennai.
* Regen Power Tech Private Limited, Chennai.

**Soft Tools :**

CAD - CATIAV5, AUTOCAD

CFD - ANSYS FLUENT AND HYPER MESH

**Academic Excellence:**

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| --- | --- | --- | --- |
| **Course** | **University**  **/ Board** | **Institution** | **Year of passing** |
| M.E  Aeronautical Engineering | ANNA UNIVERSITY | REGIONAL CENTRE OF ANNA UNIVERSITY, TIRUNELVELI | 2013 |

**Academic Projects:-**

**M.E Thesis:**

Title: *“Design and analysis of mixer ejector system for optimized thrust Performance”*

Modeling of the mixer ejector is done by the using the CATIA software and CFD analysis was carried out by using ANSYSFLUENT.

**B.E Thesis:**

Title*: “Fabrication of glass fibre laminated composite and find its ultimate tensile strength”*