**VIJAY** **Email:**  vijay.384013@2freemail.com

**M. Tech: Aerospace Engineering**



**OBJECTIVE**

 To work sincerely in an organization having healthy working environment which serves me same as my efforts serve them. I aspire for a career which would enhance my technical knowledge.



**ACADEMIC QUALIFICATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Examination** | **University/Board** | **Institute** | **Year** | **Percentage/CGPA** |
| Post-graduationM.Tech Aerospace Engineering | Jawaharlal Nehru Technological University Hyderabad | Malla Reddy College of Engineering Hyderabad | 2018 | 9.08 |
| GraduationB.Tech Aeronautical Engineering | Jawaharlal Nehru Technological University Hyderabad | Marri Laxman Reddy Institute of Technology Hyderabad | 2015 | 79.09% |
| Intermediate/+2 | Board of Intermediate Education | Trinity Junior College | 2011 | 89.1% |
| SSC | Board of Secondary Education | Chethan Vidya Mandir | 2009 | 78% |

**PROJECT EXPERIENCE**



Project Experience at Defence Research and Development Laboratory Hyderabad [Oct’17 to July’18]

**Design of High Altitude Exhaust Diffuser**

Tool used: Auto CAD, ANSYS ICEM CFD and ANSYS Fluent

* Design a new supersonic exhaust diffuser with a Nozzle area ratio of 13
* Computational Fluid Dynamic analysis was performed on supersonic exhaust diffuser with required design conditions and based on the results obtained the geometry that produced the minimum pressure recovery



**ACADEMIC PROJECTS**

**Post-graduation:**

M.Tech: **Design of High Altitude Exhaust Diffuser** [Aug’17 to Aug’18]

 Guide: Mr. Harmeet Singh Scientist ‘D’, Defence Research and Development Laboratory Hyderabad

**Graduation:**

B.Tech: **Design and Analysis of Multi-section Variable Camber Wing** [Dec’14 to May’15]

Guide: K.S.NAIDU Associate prof, Department of Aeronautical engineering, MLRIT-HYD

Mini project**: Design and Fabrication of Blower used in Aerospace** [Dec’13 to Apr’14]

 Guide: Mr. Parthasarathy Associate prof, Department of Aeronautical engineering, MLRIT-HYD

**SCHOLASTIC ACHIEVEMENTS**

* Published an International Journal on “**Experimental Investigation of Tensile** **Strength of AL 6351**”
* Presented a PPT on on “**Experimental Investigation of Tensile** **Strength of AL 6351**” at MLRIT Hyderabad
* Secured **98.75** **percentile** with a state level Rank of **3** in **“Aerospace Post-graduation** **Engineering Common Entrance Test 2016”**
* Topper of the school in **S.S.C**.
* Topper of the college in **M.Tech Aerospace 2016-2018**



**SOFTWARE SKILLS**

* Auto CAD
* CATIA
* ANSYS (Mechanical APDL)
* ANSYS (Fluent, Work bench)



**AREA OF INTERESTS**

* Aerodynamics
* Aerospace Structures
* Propulsion



**EXTRA-CURRICULAR ACTIVITIES**

* Participated in the course on **Computer Aided Engineering** from 03/05/2017 to 31/07/2017

At ‘**Central Institute of Tool Design’** Hyderabad

* Participated in the workshop event of “**Walk along Glider**” held at MLR Institute of Technology
* Participated in a Workshop on “**Modern Trends in Navigation systems**” jointly organized by Aeronautical Society of India on 1st March 2014 at MLR Institute of Technology Hyderabad



**PERSONAL PROFILE**

**Date of birth** : 14th Aug 1994

**Gender** : Male

**Marital status** : Single

**Nationality** : India

**Languages Known** : English, Hindi, Telugu

**Hobbies** : Playing Cricket

**Place** : Hyderabad