

Curriculum

Vitae Afsar



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**OBJECTIVE**

Motivated HVAC and Firefighting design engineer who consistently uses education experience and creativity to solve complex problems. Well-practiced in construction and design layouts.

**AREAS OF EXPERTISE**

**HVAC**

* Drafted and designed ductwork and piping systems, for construction and demolition.
* Heat and cooling load calculation
* Chilled water piping sizing
* Ducting estimation

**Fire fighting**

* Drafted and designed for given construction.
* Classification of sprinkler systems.
* Fire alarm system
* Emergency lighting system
* Gaseous fire protection system

**Revit MEP**

* Modeling mechanical,electrical,plumbing for the architectural building
* Clash detection
* Utilizing building information modeling (BIM) at the corporate and the project levels.



**WORK EXPERIENCE**

**UINQUE MEP ENGINEERING April 2018 – September 2018**

* Completed a project on HVAC,fire fighting and submitted to **IIGEM Malaysia**
* Completed Designing and Drafting on HVAC and fire fighting.
* Completed a BIM (building information modeling) in MEP project in cadd center.

❖ **Engineer Trainee July 2017 – March 2018**

 **(PARVEEN AUTOMOBILES PRIVATE LIMITED)**

**Chennai – India**

**Roles & Responsibilities:**

* Maintaining Retreading department and supervising
* Quality control in tyre plant.
* Quality checking and inspection of Retreading department.
* Monitor operations to ensure that they meet products standards.
* Accept or reject finished items.

❖ **Engineer Trainee (Contract)** **November**​**2016 – may 2017**

 **(ROYAL ENFIELD INDIA PRIVATE LIMITED)**

* Supervising in Quality control.
* Accept or reject finished items.
* Discuss inspection results with those responsible for products
* In-depth knowledge of the safety use and maintenance of repairing tools and equipment

**SOFTWARES KNOWN**

* Auto Cad
* Revit MEP
* MEP Modeling
* NAVIS WORKS
* Clash detections
* HVAC
* Heat load calculation manual-E20 and software-HAP
* Duct designing-Macquy duct sizer
* Chilled water pipe sizing-Macquy pipe sizer
* Fire Fighting Design
* Analyzing classes of fire
* Fire alarms and emergency lighting system
* Gas suppression systems software-Kidde FM 200



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| ❖ **Internship** |  |  |  |
|  |  | **(ASHOK LEYLAND)** |  |
|  |  |  |  |
|  |  |  | **Chennai – India** |  |
| ▪ | Domain | : | Manufacturing |  |
| ▪ | Platform | : | Automobile |  |
| ▪ | Project Name | : | Fabrication, design &analysis of hydrogen fuel engine. |  |
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**EDUCATION**



* **Academic Qualification**

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| **Bachelor of Engineering (B.E)** |  |
| **Specialization** | **:** | **Mechanical Engineering** |
| **Year** | **:** | **2016** |
| **University** | **:** | **Anna University** |
| **Grade** | **:** | **First Class** |
| **Higher Secondary (XII)** |  |  |
| **Specialization** | **:** | **Math’s ,Physics and Computer Science** |
| **Year** | **:** | **2012** |
| **Graduate school** | **:** | **St. Joseph's boys' Anglo-Indian School** |
| **Grade** | **:** | **First Class** |

**TRAINING UNDERGONE**

* National institute for entrepreneurship and small business development(NIESBUD) on Solar Energy.

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| **PERSONAL DETAILS** |  |  |
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|  |  |  |
| Sex | : | Male |
| Marital Status | : | Single |
| Nationality | : | Indian |
| Language | : | English and Tamil |
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