**Curriculum Vitae**

**Abdullah**

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Email: [abdullah.389003@2freemal.com](mailto:abdullah.389003@2freemal.com)

**OBJECTIVE**

Seeking for an industry where enthusiasm, dedication, learning and the ability to manage tasks effectively are the core values.

**EDUCATION**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Degree** | **Majors** | **Year** | **CGPA/ Percentage** | **Institute** |
| **M.S.c**  **Engineering**  **B.Sc.**  **Engineering** | **Mechanical**  **(Thermal/Fluids)**  **Mechanical Engineering** | 2017-2019  (cont)  2012-2016 | 3.880  (cont)  3.228 | National University of Science and Technology (NUST), Karachi  University of Engineering and Technology, Lahore |
| **F.Sc.** | **Pre-Engineering** | 2010-2012 | 92% | Albeer Secondary School, KSA |
| **Matric** | **Science** | 2008-2010 | 87% | Albeer Intermediate School, KSA |

**EXPERIENCES**

**Professional Experience**

1. **Famous Engineering Services, Karachi (02 Years & 03 months)**

**HVAC Maintenance and Automation Engineer (From 29th Nov 2016 to till Present)**

**At Jinnah Post Graduate Medical Center Site and various sites including Engro Polymers &Sasa Metal Industries**

* Learned all Electrical Wiring diagrams , Electrical components and control systems used in Air Conditioning Equipment
* Learned Diagnosis and Maintenance of various types of Air Conditioning units including Water coolers, Split, Floorstanding, Cassette, Fan Coil, AHU, Package and Chillers
* Managing and Supervising of Staff
* HR works of interviewing, hiring & policy making
* Estimation of Materials required and cost for installation works
* Purchasing and Installation Works
* Accounting Works of the company
* Solved Problems of Humidity in sensitive equipment rooms
* Installed &Workedon Microcontrollers, PLC, HMI programming and Electrical Panel Designing.

**At DHA Suffa University Central AC Site**

* Learned Civil Drawings
* Learned Architecture Drawings
* Learned AutocadMep (Ac Ducts drawing)
* Learned Ac Ducts Technical issues (Conflicts with strength and aesthetic view of building)
* Learned Autocad Architecture
* Worked on BOQS.

**Pre**

**Projects Designed and Supervised all by myself**

* Automation of water pump for filling tank
* Automatic Phase Correction System
* High/Low Voltage and Voltage Fluctuation Protection System
* Temperature and Humidity Control System
* Load dividing on water pumps of Chiller by timely switching
* Automation of Equipment
* Wireless and Online controlling of Equipment (SCADA).

1. **Patients Aid Foundation (JPMC), Karachi (Nearly 3 months)**

**HVAC Supervisor (Volunteer) (From 1st September 2016 to 28th November 2016)**

Voluntarily supervising of Air Conditioning Systems

**University Projects:**

**1-Thermo Economic Optimization of Shell and Tube Heat Exchanger (Final Year Project)**

* Experimental data obtained from an industry
* Gained Teamwork experience with 4 members
* Thermally designed and optimized on HTRI software
* Verification of the results by stress analysis on Solidworks.

**2-Calculation of Cooling Load required for Vogue Tower by HAP**

* Became leader of 4 members and gained the skills of finishing the project in very near deadline, motivating and encouraging the members to do work
* Learned cooling load aspects of a building.

**3-3d Modeling of Clutch gear housing by SolidEdge**

**4-Stress Analysis of Electrical Transmission Tower by Ansys Apdl**

**Professional Courses:**

**Java Programming Course**

* Took 4 months course from Institute IBM, Uet Lahore and learned the basics of programming and flexibility to learn any programming software

**Professional SKILLS**

**Programming:**

**O Others:**

* Microsoft Power Point, Ms word, Ms Excel
* Course in Spoken English
* Adobe Photoshop.
  + - * C++
      * VB.net
      * Java
      * Matlab
      * Microsoft Excel VBA Programing
      * Ardiuno Programing.
      * CNC Lathe
      * HAP
      * HTRI
      * Solid Edge
      * PLC

**Engineering:**

* + - * AutoCAD , AutoCAD Architecture & AutoCAD Mep
      * Solid Works
      * Engineering Equations Solver (EES)
      * Ansys Apdl (Critical Designing and Analysis of Static and Dynamic Parts)
      * Ansys Workbench (Structure, Fluid and Explicit Dynamics).

**PERSONAL SKILLS**

* Very fluent in speaking and writing English, Arabic and Urdu
* Creative, hard-working, self-motivated with strong interpersonal skills, always ready to tackle the problems
* Excellent communication skills and leadership qualities, team man and swift to adapt changes

**EXTRACURRICULAR ACTIVITIES**

* Reading recent technology research and new products available in local and global market
* Swimming is favorite sport