ROHAN AHMED

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OBJECTIVE

To work in an environment of professional excellence enabling me to achieve my career aspirations through continuous development

SKILLS

Matlab, Solidworks, Creo Parametric, Ansys, AutoCAD, Microsoft (Excel, Word, Power Point, Project), Team Management, Multitasking, Debating, Communication, Event Management

EDUCATION

B.E(MECHANICAL ENGINEERING) / 2013 – 2017
DHA Suffa University, Karachi
A LEVELS / 2010-2012
Defence Authority Public School, Karachi
O LEVELS / 2001 - 2010
Happy Home School, Karachi

FINAL YEAR PROJECT

Title	Design and Modeling of Portable Storage Tank for National Refinery Limited (NRL)
Description	Research based project in which portability was introduced in API-650 standard tanks by implementing 'Design to Disassemble' methodology. Achieved by substituting welded connections with nut-bolt mechanism.
Role / Period	Team Leader / JAN 2016 – JAN 2017

PROFESSIONAL EXPERIENCE

NATIONAL LOGISTICS CELL

October 2017 – Present

As a Junior Engineer, I was inducted into assignments based at the National Stadium and Central Jail, under the supervision of a Senior Engineer

- Examined and Supervised framing, reinforcement, carpentry work conforming with drawings and specifications at National Stadium as part of preparations for Final of Pakistan Super League
- Ensured safe operations of batching plant and monitored concrete work at the Central Jail site

PAKISTAN INTERNATIONAL AIRLINES

June 2016 – July 2016

I was assigned at two main divisions where different sections were explored:

- **Plant Overhaul and Maintenance**
- APU & PW127: Auxiliary power unit and ATR engine
- QEC & Build-up: Engine test facility where different systems are installed on the engine to make it a power plant. Distinctive parameters are tested in engine test cell
- GE-90, CFM-56-5B, CF6-80C2, CFM-56-5B: Aircraft engine of B777, A320, A310 and B737
- **Base Maintenance**
- Primary & Secondary flight control: Ailerons, elevators, rudders, spoilers, flaps and slats
- Cabin pressurization and air conditioning: Use of Air Cycle Machine (ACM), heat exchanger and control of intake and outlet valves to regulate cabin pressure and temperature
- Repair and Modification: Sheet metal and composite material repair, fabrication and repair of high-pressure tubes and cables, repair and overhaul of flight controls and structural components.

LEADERSHIP & VOLUNTEER EXPERIENCE

- Team lead of final year project 'Portable Storage tank – National Refinery Limited (NRL)'
- Headed various semester projects: The Crane Project, Vibration Absorption, Design and Assembly of single passenger car for disabled people
- Participated in various conferences, Model United Nation (MUN), debates and workshops
- Actively volunteered at MAKE-A-WISH FOUNDATION Pakistan

ACHIEVEMENTS

- Dean's honor's list (Fall 2016)
- Successfully completed project on Design and Modelling of Portable Storage Tank for National Refinery Limited (NRL)
- Represented DHA Suffa University at Education expo Karachi
- Deputy head of Science Society during A levels
- Letter of Appreciation from former Business Development executive at SNTTA – General Sales Agent for Emirates SkyCargo division
- Global Young Leaders Conference (GYLC): Nominated to represent Pakistan for summer 2010 conference in USA

- Introduction to Maintenance checks: A, B, C, D and transit checks

PAKISTAN AERONAUTICAL COMPLEX (PAC) AIRCRAFT MANUFACTURING FACTORY (AMF), KAMRA, PAKISTAN

June 2015 – July 2015

- Introduced in depth about importance of maintenance
- Investigated reasons of failure in machine 'Avure Fluid Cell Press type QFC 1.4x4 – 1400' using root cause failure analysis (RCFA)
- Recommended preventive and corrective measures to ensure productivity and maximum uptime
- Explored CAD and CAM cycles, 3-axis and 5-axis CNC machining of complex parts of JF-17 and Super Mushshak aircraft
- Observed surface treatment, Non-Destructive Testing (NDT), sheet metal forming, heat treatment and shot peening processes
- Introduced in depth about simulation, programs formulation and verification processes

KARACHI SHIPYARD AND ENGINEERING WORKS

January 2015

- Explored hull design, outfitting, machinery and piping, electronics and navigation systems
- Observed assembling processes at berth
- Performed and evaluated different NDT as a check for quality control

ASIAN INSTITUTE OF MEDICAL SCIENCE AND TECHNOLOGY(AIMST), SEMELING, MALAYSIA

August 2014

- Gained workshop skills and constructed a robot by using scrap materials
- Gained Solid works skills and designed an assembly drawing of universal U-joint

REFERENCE

- Available upon request