

SHAIR AKBER

Automotive Engineer



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House #444, Near Inter Board Office,
Karachi, Pakistan

QUALIFICATION

NED University of Engineering and Technology (Main Campus)
September 2018
BE - Automotive Engineering

Govt. College for Men Nazimabad Karachi
2012 - 2014
HSC- Pre-engineering

EXPERIENCE

ASSISTANT MANAGER OPERATIONS

Karachi Shipyard and Engineering works, Karachi (Pakistan)

Nov 2020 - Present

- Successfully completed the first commercial docking and transfer of Pakistan Navy Submarine.
- Managing all the activities on site related to operations.
- Planning and execution of Docking plans, trestles, and trolleys arrangement.
- Reviewing and preparing technical drawings/documents.
- Preparing presentations and reports as per requirements.
- Prepared CAD drawings for the repair stations clearances between ships.
- Installation and operation of the Ship Lift and Transfer System.
- Managing daily routine tasks of technicians, supervisors, and trainee engineers.
- Visiting project site and communicating/interacting with foreign technical team of TTS.
- Key responsibility in Testing and commissioning of Pakistan's first Ship lift and transfer system.

PRODUCT DEVELOPMENT EXECUTIVE

PCI Automotive, Karachi (Pakistan)

March 2020 - Nov 2020

- Meeting with OEMs and vendors for development related issues.
- Communication with suppliers and customers for timely completion of projects.
- Managing technical documents of Honda Atlas Cars Pvt. Ltd/ IMC, Suzuki, KIA and Hyundai.
- **Preparing and giving presentation** for monthly meetings
- Reviewing and preparing Drawings and **Technical documents**.
- Preparing inspection documents for trial parts (samples).
- 2D Drafting using **AutoCAD**.
- 3D modelling using AutoCAD and **Catia**.
- Preparation of **QAV Audits** and presentations.
- Intermediate working skills in **Creo**
- Using **Fast Blank** software for blank calculation.
- Preparing Bill of Materials (**BOM**), PFC, CFC and other technical documents using **MS Excel**.
- Preparing **schedules** using **MS Excel** and **MS Project**.

MECHANICAL EXECUTION & SERVICE ENGINEER

Fluid Technology International, Karachi (Pakistan)

Sep 2018 - Feb 2020

- Using **MS Project** for project planning.
- Preparing Bill of Materials using **MS Excel**.
- **Preparing and giving presentation** for monthly meetings.
- Designing and Drafting of skids and other related components using AutoCAD.
- Prepared and conducted **HAZZOP** for Byco project and other future projects.

- Reviewing Drawings and **Technical documents**.
- Contributed in manual preparing for Byco Petroleum.
- Understood working and operations of RO Systems, pumps, and other mechanical equipment.

INTERN

Hinopak Motors Limited [Internee]

27 Oct 2017–23 Nov 2017

Completed **one-month internship** in **Quality Assurance Division** and the tasks and responsibilities included:

- Learned about the Japanese techniques for Quality improvement like **5S, Gamba, Kanban, FMEA, RCA, 5 Quality Tools, and 5 Modern Management Tools**
- Inspection of IMV frames that were manufactured for Toyota Indus Motors Company.
- Inspection of different profile parts.
- Defect Analysis and countermeasure.
- Meeting with vendors to discuss parts quality.
- Learned how to use different inspection tools

PROJECT

- **Chemical Dosing plant design for a leading textile company** using AutoCad Plant 3D
- FYP on **“Weight Reduction Strategies for an Automobile”**.

(Reduced weight of a car by substituting alternative materials which resulted in CO₂ emission reduction and improved fuel economy)

CERTIFICATES

- ✓ **Six Sigma** (Green Belt)- (CCEE-NEDUET): Learned quality related tools like 5S, 5 Quality Tools, Management tools, FMEA, RCA etc.
- ✓ **Quality Health Safety and Environment (QHSE)**-(PITAC): Acquired essential knowledge related to QHSE like Risk, hazards, first aid and risk assessment forms.
- ✓ **CFD and FEA Using ANSYS**: Got hands on training on Static/Transient Structural, Thermal and Fluent simulations using ANSYS.
- ✓ **Aerial Robotics**- (Coursera): Learn about the basic of aerial robotics.
- ✓ **Digital Manufacturing & Design**-(Coursera): Learned basics about 4th industrial revolution.
- ✓ **Excel Skills for Business** (intermediate)-(Coursera): Learned **Pivot tables**, Pivot charts, working with multiple workbooks and different formulas.
- ✓ **Excel Skills for Business** (Advance)-(Coursera): Learned about Advance Lookup functions, Documentations and Digital dashboard.
- ✓ **Making Every Meeting Matter** (Workshop): Learned how to arrange a formal meeting and make it fruitful.

SKILLS

- ✓ Proficient in 2D drafting using **AutoCAD**.
- ✓ 3D CAD modelling using **AutoCAD** and **Catia**.
- ✓ Proficiency in using **MS Office**.
- ✓ **Creo, Fast Blank**.
- ✓ Proficiency in scheduling using **MS Project & MS Excel**
- ✓ Static/Transient Structural analysis using **ANSYS**
- ✓ Proficiency in communication (especially English Language).

HONORS

- ✓ Awarded by **HEC scholarship** in NED University.
- ✓ Awarded (2 times) by **UKAA scholarship** on merit-based.
- ✓ Awarded Laptop by Prime Minister Laptop Scheme on high academic achievement.

INTERESTS

- ✓ Design and Modelling
- ✓ Product Development
- ✓ Production
- ✓ Assembly