

MUHAMMAD AHMED

Mechanical Engineering graduate | muhammadahmedafriidi@gmail.com | Jamal Ibrahim Town Jamal e Ibrahim Society Quaidabad, Karachi | 03322909826 | <https://www.linkedin.com/in/muhammad-ahmed-afriidi83601417a/>

OBJECTIVE

Experienced mechanical engineer with a strong background in production and utilities, seeking to leverage my skills and knowledge to take on a challenging role in an organization where I can contribute to the design and development of complex mechanical systems, improve production processes, and drive efficiencies in the utilities department.

COMPETENCIES

- MS Office (Word, PowerPoint, Excel)
- Excellent Communication Skills
- Outstanding Management Skills
- Team Work
- Leadership
- Problem Solving
- Public Speaker
- Kaizen
- DMAIC
- Root Cause Analysis
- Production Planning

EXTRA CURRICULARS

1. 2nd position in Go Green Competition by ASME
2. Won ICY'S General Elections and elected as President of Theatre Club
3. 2nd position in All Hyderabad Chess Championship under 18 category
4. Special Mention at USMUN2 and ICL MUN
5. Position holder in School Debating competitions
6. Honorable Mention at LV 2.0
7. Outstanding Diplomacy at HYC
8. Actively participated in donation drives for public Iftars and Rashaan Distribution

EDUCATION

Mehran University of Engineering & Technology (MUET) 2016 – 2020

Bachelors in Mechanical Engineering
3.16 CGPA

Govt Boys Degree College Kohsar 2014 – 2016
H.Sc Pre-Engineering 72.90 %

Excellence Education System 2012 – 2014
S.Sc Group Science 78.82%



CERTIFICATE IN INFORMATION TECHNOLOGY (CIT)

01 JUNE 2014 – 30 SEP 2014

CONDITION MONITORING (VIBRATION ANALYSIS LEVEL - 1) WORKSHOP (1.5 CPD) WITH PRODUCT DIMENSION AND PRECISION ALIGNMENT 24 Nov 2020 – 25 Nov 2020

WORK EXPERIENCE

Agha Steel Industries Limited | Shift Engineer Rolling Mill (Process)

13 March 2023 – Current

- **Operation and Maintenance:** Oversaw the operation and maintenance of rolling mill equipment, ensuring efficient and safe production processes, maintain temperature to control exceeds load on motors, reduce tension on running steel bars, maintain ideal speed ratios between stands to control looping and tension, check all the entry/delivery guides, passes and stands to be properly aligned according to SOP before starting production.
- **Process Improvement:** Identified areas for process improvement and implemented measures to optimize production efficiency, reduce downtime, and minimize material waste.
- **Quality Assurance:** Developed and implemented quality control procedures to ensure adherence to industry standards and product specifications, including conducting inspections and implementing corrective actions as needed.
- **Troubleshooting and Problem Solving:** Diagnosed and resolved equipment malfunctions, process deviations, and production issues in a timely manner, utilizing root cause analysis techniques and implementing corrective measures.
- **Documentation and Reporting:** Generated reports on production performance, process metrics, and equipment maintenance, providing accurate and timely information to support decision-making and drive continuous improvement initiatives.

Electro Polymers Private Limited | Executive Production

05 Feb 2022 – 20 Feb 2023

- Developing and implementing production plans and schedules to meet demand and ensure timely delivery of lamps.
- Coordinating with other departments such as engineering, quality control, and supply chain management to ensure that production goals are met.
- Monitoring and analyzing production data to identify areas for improvement and implement process changes to increase efficiency and productivity.
- Overseeing the hiring, training and supervision of production staff, and ensuring they have the necessary skills and equipment to perform their jobs effectively.
- Identifying and implementing new technologies, processes and methodologies to improve production efficiency and quality.
- Communicating with upper management and other departments on the progress of production and identifying any potential issues that may affect delivery schedules.
- Continuously monitoring production performance and implementing corrective action plans when necessary to improve quality, reduce downtime and minimize costs.

INTERNSHIPS

1. Karachi Shipyard and Engineering Works Limited | Intern 01 July 2019 – 30 July 2019

- Experienced engineering operations in the ship building department.

2. DS Motors UNIQUE | Intern 21 Dec 2018 – 06 Jan 2019

- Perform engine overhauling.
- Assembled and disassembled CD-70, UD-125 engines

3. Colgate Palmolive | Intern 25 Dec 2017 – 07 Jan 2018

- Experienced detergent packing operations and machines in packing department.
- Preventive maintenance was the key maintenance for optimum working of packing machines.

ACADEMIC WORK

Final Year Thesis

To enhance efficiency of a vertical axis wind turbine by applying tubercles on airfoils.

Manual Bending Machine

Designing and fabrication of manual bending machine.