

Date of birth: 09/03/2001 | **Nationality:** Pakistani | **Gender:** Male | **Phone number:** (+92) 3369074660 (Mobile) |
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● ABOUT ME

Dynamic Metallurgical Engineer with extensive inspection experience across CNG and LPG facilities, known for driving improvements in safety and compliance. I've led successful initiatives that streamlined inspection processes and enhanced compliance accuracy, ensuring top-quality standards in high-stakes environments. With a commitment to advancing industrial safety, I aim to further elevate inspection protocols and contribute to innovative, reliable solutions that set new industry benchmarks.

● WORK EXPERIENCE

15/08/2024 – CURRENT Karachi, Pakistan
TRAINEE INSPECTION ENGINEER IMTECH (PVT) LIMITED

- Conducted thorough third-party inspections on behalf of OGRA at LPG storage facilities, ensuring strict compliance with safety regulations and quality standards.
- Performed detailed assessments of LPG equipment manufacturing processes, verifying adherence to design specifications and regulatory requirements as per OGRA standards.
- Executed comprehensive inspections of CNG stations, identifying potential hazards and implementing corrective actions to enhance operational safety in alignment with OGRA guidelines.
- Evaluated quality and safety in LPG equipment manufacturing industries, providing expert recommendations to uphold regulatory compliance and industry standards.
- Compiled and submitted in-depth inspection reports to OGRA, documenting findings and proposing improvements to optimize safety and compliance across facilities.

06/2022 – 07/2022 Sheikhupura
QUALITY CONTROL INTERN AL-BADAR ENGINEERING CO (PVT.) LTD.

- Gained experience and performed operations in following fields:
- Sheet metal Working and Aluminum Casting
 - Electroplating
 - Paint and Coating
 - CNC Machining
 - Quality Control and Inspection

● EDUCATION AND TRAINING

09/2019 – 07/2023 Islamabad
B.S METALLURGY AND MATERIALS Pakistan Institute of Engineering and Applied Sciences

Physical Metallurgy | Advanced Materials | Polymer Processing | Ceramics | Welding and Joining | Corrosion and Protection | Metal Working

Final grade CGPA 3.03/4 PEC No. METAL/006983 |

Thesis Response Surface Methodology to Model and Optimize the Design Parameters of Electroless Deposition of Copper on Aluminum Powder

● DIGITAL SKILLS

Xpert Hiscore | Minitab | Matlab | C Language | Creo (Basic) | Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access

● PROJECTS

09/2022 – 07/2023
Modeling and Optimizing Copper Plating Parameters Using RSM

- Galvanic Replacement Method for Electroless Deposition.
- Minitab Software for Modelling of Experiments
- Characterization of coated Powder
- Optimization through Response Surface Methodology (RSM)

02/2023 – 06/2023

Fabrication of Spark Plasma Sintering Furnace

- Collaborated with a team working on fabrication of SPS Furnace
- Worked on integration of hybrid heating supply in furnace

01/2022 – 03/2022

Aging of Al-Cu alloy

- Artificial aging of Al-Cu Alloy using Muffle Furnace was done
- Effect on Properties were noted
- Microstructure Analysis was performed
- Study of GP Zones formation

09/2021 – 12/2021

Effect of Strontium Addition on Al-Si Morphology

Al-Si-Sr alloy was melted with varying Sr concentrations to modify the microstructure. Microscopy and mechanical testing were performed to analyze the resulting changes in material behavior.

07/2021 – 09/2021

Heat Treatment of Mild Steel

- Heat Treatment processes were performed such as: Quenching, Normalizing, Annealing, Tempering
- Mechanical Testing was done to observe effect of each process
- Microscopy was done to observe effect on microstructure

SKILLS

Managerial and Leadership Skills

- Managed different teams in major events at PIEAS
- Worked as Manager Finances and Operations at TEDx 2022
- Executive at PIEAS Engineering Leadership Summit (PELS) 2023
- Budgeting and Finance Handling in numerous events