



Shehzad Hussain

Objective:

Metallurgy and Materials Engineer professional with a strong technical and quality educational background, seeking a challenging position in a progressive industry that would utilize my educational background and work experiences in a mutually beneficial manner. I am looking for a position as a metallurgist, quality professional, or in manufacturing management.



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Personal Profile:

Father Name:

Muhammad Bashir

CNIC: 36601-0930192-3

PEC Registration no.:

Metal/006774

Date of Birth: April 1, 2000

Marital Status: Single

Nationality: Pakistani

Religion: Islam

Languages: Urdu and English

Hobbies:

- Taekwondo (PTA/1715/BTC)
- Collector of Coins, Banknotes and Postage Stamps {Member of Multan Philately Association (MPA-026) and Lahore International Numismatic Society (LINS-155)}

Experience:

Excel Engineering (Pvt) Ltd. Lahore {1.3 years (June 2022 - September 2023)}
Foundry where Millet and Al-Ghazi Tractor parts are cast with gray cast iron.

Career Summary:

- Operating Induction furnace: Manufacturing of Spheroidal Graphite Iron.
- Operating Cupola furnace: Maintaining the metal grade composition, Temperature, and coke percentage.
- Reducing the coke percentage taking into account temperature and composition.
- Analyzing the microstructure of metal.
- Operating a Universal tensile machine for analyzing the Stress-strain curve behavior and universal tensile strength.
- Analyzing the hardness of metal from the Brinell hardness testing machine.
- Analyzing casting defects, machine fixtures, and machining allowance to decrease casting rejection.

Qualification:

Degree Position	Institute Name	Passing Year	Marks/ CGPA	Grade
BSc. Metallurgy and Materials Engineering	Institute of Advanced Materials, Bahauddin Zakariya University, Multan	2022	3.6/4	B+
Intermediate (Pre-Engineering)	Govt. College, Burewala	2018	808/1100	A
Matriculation	Govt, (M.C) High School, Burewala	2016	838/1100	A

Final Year Project:

Synthesis and Characterization of Polymer Matrix Composite with reinforcement of Glass Fiber and Nano Fillers (Calcium Carbonate)

- Teamwork: Coordinated with a team of three members to carry out the projects.
- Effective study skills: Making different samples that have different Nano fillers (calcium carbonate) content to get the desired property of a material.
- Critical thinking: Testing the samples on a routine basis, analyzing faults, and working on them accordingly.
- Communication: Reported to the supervisor weekly via emails and personal meetings.

Engineering Projects:

- Pulverization of different minerals.
 - Testing of Hard coke (Checking the volatile matter, carbon percentage, moisture content, and ash content).
 - Study of sieve analysis
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Internship:

- Ravi Spherocast Pvt Ltd. Lahore (Foundry) {Four Week (August 16, 2021 – September 12, 2021)}
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Certificates:

- Ferrous Metallurgy-I, Iron and steel-making process (Pohang University of Science and Technology, South Korea.)
 - Ferrous Metallurgy-II, Microstructure and phase transformation in steel (Pohang University of Science and Technology, South Korea.)
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Book Author:

- Diamond Jubilee Catalogue of Pakistan Coins 1947 to 2022 (ISBN 978-969-23767-0-9)
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Skills:

- Engineering system testing
 - Understanding of safety procedures
 - Microsoft Word, Excel, and PowerPoint
 - Engineering documents preparing
 - Scientific and research writing
 - Innovative Thinking and Problem-solving
 - Time Management
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Reference:

Will be provided on demand.