

MUHAMMAD HAROON

House Number 8-20/2787-a Shafi Shah Street Mecongi Road Quetta, 87300 Pakistan.

Mobile No: +92-3494510783 **E-mail:** muhammad.haroon660860@gmail.com

Gender: Male. **Date of Birth:** 28th May 1999.

OBJECTIVE STATEMENT

Dedicated and results-driven Chemical Engineer with a strong academic foundation and a passion for solving complex problems in the field of chemical engineering. Seeking to apply my knowledge, technical expertise, and innovative mindset to contribute to the advancement of chemical processes and sustainable solutions in a dynamic industrial environment. Adept at optimizing production processes, ensuring safety and compliance, and fostering cross-functional collaboration to drive efficiency and excellence in chemical engineering projects. Committed to continuous learning and professional growth while making a meaningful impact on the industry.

EDUCATION

- **University of Balochistan Quetta, Pakistan.** **Sept,2022**
Master of Arts in International Relations (Private Exam). **MARKS (608/1050)**
- **Balochistan University of Information Technology, Engineering and Management Sciences Quetta, Pakistan.** **Jan,2022**
Bachelor of Science in Chemical Engineering. **CGPA (3.22/4.0)**
Grade **Distinction**
- **Balochistan Board of Intermediate and Secondary Education Quetta.** **Aug,2017**
Intermediate (Pre -Engineering) **MARKS (747/1100)**
Grade **Distinction**
- **Balochistan Board of Intermediate and Secondary Education Quetta.** **July,2015**
Matriculation (Science) **MARKS (759/1050)**Grade **Distinction**
- **Honors and Awards:** Awardee of Prime Minister of Pakistan **EHSAAS Scholarship** 2020. Awardee of Chief Minister of Punjab, Pakistan **PEEF Scholarship** 2018. Awardee of Professional Education foundation **PEF Karachi Pakistan Scholarship** 2018. Got **3rd** position in Final year Project Poster Competition 2021 in Department of Chemical Engineering BUITEMS University.

WORK EXPERIENCE

- **BUITEMS University Pakistan (February - August 2023)**
Lab Engineer: I worked as a Lab Engineer under the Pakistan Engineering Council (PEC) OJT 6-months Internship Program in the Department of Chemical Engineering, specializing in Chemical Reaction Engineering and Instrumentation & Process Control Labs. My responsibilities included conducting experiments, assisting in research, and analyzing data to support process optimization. I gained hands-on experience with advanced laboratory equipment, ensuring accurate data collection and interpretation. Additionally, I maintained laboratory efficiency, adhered to safety protocols, and contributed to the smooth operation of experimental procedures.
- **National Highway Authority, Quetta, Pakistan (July 1st to Sep 30th, 2022)**
Internship Trainee: I completed internship training in the domain of AutoCAD and Environmental Engineering under the supervision of the GM-Construction at the National Highway Authority (NHA) in Quetta. During this period, I developed proficiency in AutoCAD for drafting and designing, while also gaining insights into environmental engineering practices related to highway construction. My training included understanding project planning, environmental impact assessments, and ensuring

compliance with safety and environmental regulations.

- **Al-Noor Sugar Mill Moro Sindh Pakistan (8th – 13th February 2021)**

Internship Trainee: I completed internship training in Process Control and related departments at Al-Noor Sugar Mill in Moro, Sindh. During this period, I gained practical experience in monitoring and optimizing industrial processes, analyzing system performance, and ensuring operational efficiency.

CERTIFICATIONS/COURSERA COURSES

- Completed Crystal Structures and Properties of Metals course of Arizona State University, USA.
- Completed Advanced Functional Ceramics course of YONSEI University, South Korea.
- Completed Nanotechnology: A Maker's Course of Duke University, NC State University and The University of North Carolina at Chapel Hill USA.
- Completed Hydro, Wind & Solar power: Resources, Variability & Forecast course of INSTITUT POLYTECHNIQUE DE PARIS France.
- Completed 21st Century Energy Transition: How do we make it work? course of University of Alberta Canada.
- Completed Renewable Energy Projects course of University of Colorado Boulder USA.
- Completed 2 months AutoCAD Course from PEARL Institute Quetta.
- Completed course of Batteries as Alternative Energy Sources from Alison.
- Completed Solar Energy Systems Overview course of University of Buffalo USA.
- Completed The Science of the Solar System course of California Institute of Technology, (Caltech) USA.
- Completed Solar Energy System Design course of The State University of New York, USA.
- Completed Introduction to Solar Cells course of Technical University of Denmark.
- Completed Renewable Energy Futures course of University of Colorado Boulder USA.
- Completed From the Big Bang to Dark Energy course of The University of Tokyo, Japan.
- Completed Renewable Energy Technology Fundamentals course of University of Colorado Boulder USA.
- 4th Markhor Mathematics Competition 2021 Participated in Mathematics Competition in BUITEMS Department of Mathematics.
- Successfully completed How Build your Personal Brand course by NESTLE.
- Done Accident Investigation Online Course from Oregon OSHA Public education.
- Successfully completed Pakistan Engineering Council Webinars e-courses.
- Participated in training workshop on Computer Aided Engineering Drawing (AutoCAD).
- Chemical Reactivity Hazards & Identifying and Minimizing Process Safety Hazards from The Knight of Safety.

WORKSHOPS/CONFERENCES

- **Bahauddin Zakariya University – BZU Multan Pakistan 23 February 2023:** Design and optimization of aquatic enhanced membrane bioreactor for the treatment of pharmaceutical wastewater.

COMPUTER SOFTWARES PROFICIENCY

Microsoft Office, Aspen HYSYS, MATLAB, ORIGIN, AutoCAD, CHEM CAD, Pro MAX.

SKILLS AND ABILITIES

- Management skills
- Good Speaking Skills
- Leadership quality
- Good Teaching Skills
- Teamwork
- Analytical and Critical Thinking skills

- Ability to work in diverse groups
- Ability to work under pressure and in teams
- Strong Communication and interpersonal skills

CO-CURRICULAR ACITIVITIES

- Competitions
- English Debates
- Book Readings
- Languages

EXTRA-CURRICULAR ACTIVITIES

- Table Tennis
- Cricket
- Football
- Badminton
- Chess
- Internet/Gaming
- Travelling
- Photography

AREAS OF INTERESTS

- Production
- Teaching
- Renewable Energy
- Fuel Cell Technology
- Polymer Science
- Operations
- Inventory Management
- Project Management
- Process optimization
- Sensitivity Analysis
- Chemical Plant Safety

REFERENCES:

- "References will be furnished upon request."