

Muhammad Zain UI Abdeen

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PROFILE SUMMARY

Results-driven Chemical Engineer with hands-on experience in process optimization, innovation management, and strategic planning. Currently serving as a Graduate Trainee Engineer at Fatima Fertilizer, specializing in the operation of a 300 MTPD Urea Plant based on Snamprogetti Technology. Proven expertise in Process Safety Management (PSM), API standards, and cross-functional collaboration. Passionate about sustainable practices, problem-solving, and operational excellence.

EDUCATION

BSc Chemical Engineering <i>NFC Institute of Engineering and Technology, Multan</i> CGPA: 3.72/4.00	June 2024
FSc Pre-Engineering <i>Punjab Group of Colleges, Jahanian</i> Marks: 985/1100	Aug 2020
Matriculations <i>Govt. High School, Chak No. 1MR, Multan</i> Marks: 971/1100	Aug 2018

STRENGTHS

- **Process Optimization:** Urea plant operations, process safety, and efficiency enhancement.
- **Innovation Management:** Strategic planning and project execution.
- **Technical Expertise:** Snamprogetti Technology, API standards, and safety protocols (STOP series).
- **Data Analysis:** Proficient in analyzing production data for process improvement.
- **Team Leadership:** Collaborative team player with strong communication skills.

PROFESSIONAL EXPERIENCE

- **Fatima Group**
Graduate Trainee Engineer (July 2024 – Present)
Currently training in the 300 MTPD Urea Plant based on Snamprogetti Technology, gaining hands-on experience in plant operations and optimization. Completed classroom training in Process Safety Management (PSM), API standards, and safety protocols (STOP series). Acquired in-depth knowledge of plant units, their capacities, and interconnections. Transitioning to advanced operational training for enhanced technical expertise.
- **Packages Group**
Management Trainee Officer – Innovation & Development (June 2024 – July 2024)
Supported innovative projects to enhance operational efficiency and business growth. Collaborated with cross-functional teams to address challenges and drive strategic decision-making. Gained experience in project management and strategic planning under senior leadership.
- **Hazara Phosphate Fertilizers (Pvt.) Limited**
Intern (July 2023 – August 2023)
Assisted in fertilizer production, quality control, and process optimization. Conducted data analysis to identify areas for efficiency improvement. Collaborated with teams to ensure compliance with environmental and safety standards.

Certifications & Training

- Process Safety Management (PSM)
- API Standards
- Training Safety Protocols (STOPP Series)

RESEARCH EXPERIENCE

- Research on the Design Project of diesel production from waste tires via pyrolysis under Dr. Saad Saeed's supervision.
- Conducting literature reviews, theoretical analyses, and simulations to optimize diesel yield.
- Collaborating with Dr. Saad Saeed and their team to refine hypotheses and plan further investigations.
- Contributing to sustainable fuel production and waste management knowledge.

ACHIEVEMENTS

- Best Auditor – Recognized for excellence in auditing and compliance.
- Inaugural President – NFC IET Chemical Engineering Environmental Club.
- Quaid-e-Azam Boy Scout – Achieved the highest rank in scouting.

PASSIONS

Football

Regularly play football during free time, fostering teamwork and physical fitness.

Cricket

Enjoy playing cricket with friends, promoting camaraderie and sportsmanship.

Traveling

Experienced traveler with a passion for exploring diverse regions, cultivating adaptability and cultural understanding.

Book Reading

Enthusiastic reader, particularly interested in novels across various genres. Enjoy gaining new perspectives and insights through literature exploration.