

MUHAMMAD DANIYAL AHMED

+92-316-1449296 • Ahmed.daniyal1@gmail.com
https://pk.linkedin.com/in/daniyalahmed • Age: 23

Education

UNIVERSITY OF ENGINEERING AND TECHNOLOGY (2012-2016)

Lahore, Pakistan

Bachelor of Chemical Engineering

GOVERNMENT COLLEGE UNIVERSITY (2011-2012)

Lahore, Pakistan

Pre-Engineering

Experience

OIL AND GAS DEVELOPMENT COMPANY LIMITED

Karak, KPK, Pakistan

Pakistan's flagship petroleum exploration and production company and market leader in many aspects.

Process Intern: October 2017 –present

- **Testing:** Co-ordinated in pre and post commissioning activities of newly erected LPG plant, verified safety interlocks, operational protocols and participated in final performance testing.
- **Documentation:** Prepared equipment SOPs, log books, monthly gas invoice etc.
- **Trainings:** Participated in trainings of various plant systems such as FM-200, Reverse Osmosis, Operations Training Simulator (OTS) offered by Chinese consultant and attended course about Primavera P6 management software.
- **Management:** Responsible for training of 12 people about plant operations. Worked closely with Chinese commissioning team.

AMAL ACADEMY

Lahore, Pakistan

Education startup funded by Stanford University that teaches professional skills to students and corporations

Career-Prep Fellow: June 2016 – September 2016

- **Communication:** Completed a competitive written application and interview process to be selected from over 1100 applicants for intensive 3-month Fellowship.
- **Skills development:** Invested 150 hours in order to develop business skills (e.g., communication, leadership, problem solving, teamwork, etc.) that will help me make a deeper impact on the job.

PAK ARAB REFINERY LIMITED

Muzaffargarh, Pakistan

A leading energy company having oil transportation, refining and marketing operations around the country.

Summer Intern: (July 2015 – August 2015)

- **Teamwork:** Prepared a proposal for emission control at the truck loading gantry outlining major techniques with another internee in 1 week.
- **Safety Training:** Attended an intensive 2-week health and safety training, understood safety protocols and installed safety systems.

Academic Activities

EXTRACTION AND PROCESSING OF SHALE GAS

A compact analysis of shale gas extraction and processing techniques and feasibility of extraction in Pakistan.

(Performed process research): October 2014- December 2014

- **Insight:** Gained valuable knowledge of upstream oil industry.
- **Analysis:** Gauged the suitability of extraction vs existing IP and TAPI gas pipeline projects.

MAXIMIZATION OF DIESEL PRODUCTION BY CATALYTIC HYDROCRACKING OF VACUUM GAS OIL

Final Year project- Thorough analysis of hydrocracking process along with preliminary design of process units

(Rated 3 phase separator and co-designed trickle bed reactor): November 2015- May 2016

- **Design:** Performed preliminary design and cost analysis
- **Teamwork:** Actively engaged with a 6 member team and coordinated in planning and documentation.

Additional

- **Software Skills:** MS Office, Aspen Plus / Hysys, Familiar with MATLAB, Primavera P6
- **Certifications:** Primavera P6, Safety training by Pak safety solutions
- **Languages:** English, Urdu
- **Interests:** Gardening, computer tweaks, technology news, badminton, basketball, Sci-Fi movies