

Mohammad Belal KM

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Profile

A proactive final year Chemical Engineering student seeking a graduate position leading to a fulfilling career in the oil & energy industry, focusing on energy and sustainability. I am a member of the Institute of Chemical Engineers (IChemE), a member of the Sheffield Hallam University Formula Student Racing Team and the National Society of Professional Engineers (NSPE). Outside of academia, I have held positions of responsibility such as the Muslim representative volunteer for Al Fateh Grand Mosque Eid Open House and achieved a winning prize at the Bahrain News Agency. In a graduate role, I intend to hone my theoretical knowledge and practical skills whilst learning from industry experts.

Work Experience

Fire Warden – Sodexo

October 2019 – February 2020

Whilst studying, I worked as a Fire Warden for one of the main accommodations in Sheffield City Centre. I was the site safety representative and responsible for fire prevention, the security of infrastructure, arranging for emergency maintenance and tasking of emergency services. Whilst working here, I received positive feedback for my performance and was awarded a certificate for exceeding productivity and quality expectations. Time management and flexibility were crucial to balancing work and studies effectively.

Trainee – Bahrain National Gas Company (B.S.C.)

July 2019 – September 2019

I completed my industrial training at the Bahrain Nation Gas Company. As a trainee, I learned about the working of different operating facilities such as the gas stations, the central gas plants and the storage facilities as well as the safety of chemical plants in the industry. A rewarding aspect of this training was the practical study of the completed modules on-field with the trained and professional operators. Commitment, preparation and management were essential for this role.

Teaching Assistant – University of Bahrain

January 2019 – June 2019

The teaching sector is a fast-paced environment in which I adapted to working under pressure. As a teaching assistant for Heat Transfer Applications (Level 3 module) at the University of Bahrain, I had the responsibility of assisting the students in driving fruitful results. In this role, I was responsible for marking the assignments and quizzes conducted as well as peer-tutoring the students to attain better grades and a practical understanding of the module. The transferrable skills that I have developed include leadership and better communication.

Education

Sheffield Hallam University – Chemical Engineering BEng (Hons)

2019 – 2020

Final Year Modules: Batch Processes, Design and Commissioning Group Project, Environment and Safety, Fluid Modelling in Chemical Engineering and Reactor Design – **Expected Grade: 1st Class**

University of Bahrain – Chemical Engineering Bachelor's degree

2016 – 2019

Completed all major Chemical Engineering introductory modules including Chemical Engineering Thermodynamics, Fluid Mechanics, Unit Operations and Separation Processes, Computer Applications in Chemical Engineering, Numerical Analysis, Properties and Strength of Materials, Chemical Reaction Engineering, Chemical Process Modelling, Instrumentation and Control, Engineering Ethics and Economics – **Grade Average: 3.65 CGPA**

Skills

- **Engineering and Computer Software:** Proficient using ANSYS, and CFD, advanced user of MATLAB, Simulink, Aspen Plus and a range of Microsoft Office applications including Visio.
- **Problem Solving:** Experience designing block and process flow diagrams, creating piping and instrumentation diagrams and simulating processes and production plants. As part of the SHU racing team, I conducted an in-depth analysis of heat transfer within the vehicle's components.
- **Laboratory Experience:** Advanced understanding and experience using essential engineering apparatus such as benchtop centrifuge, a range of heat exchangers, gas absorption unit, Sanderson vibration rig, diverse pipe systems, centrifugal pump, rheometer, calorimeters, spectrophotometers, refractometers, voltmeters, ammeters, manometers, and pH meters.
- **Communication:** Extensive experience communicating with diverse clients whilst working for one of the world's largest customer-centric companies, Sodexo.
- **Organisation:** Worked night shifts whilst attending full-time university, enabling me to manage my time and priorities efficiently.
- **Leadership and Teamwork:** As a team leader for Design and Commissioning project, I led a team of 6 students to ensure all targets were met and project requirements were achieved.

Memberships

- Student member of IChemE: The Institute of Chemical Engineers.
- Member of the Sheffield Hallam University Formula Student Racing Team 2019-2020.
- Young Professional member of AIChE: American Institute of Chemical Engineers.
- Member of NSPE: National Society of Professional Engineers.

Attended Conferences

Oct. 2018	GDA – Gulf Downstream Association Conference
Feb. 2019	EMET – Ethylene Middle East Technology Conference
Mar. 2019	MEOS – Middle East Oil & Gas Show and Conference

Interests

Outside of academia, I enjoy partaking in a range of volunteering activities such as tour guiding, event organisation as well as summer camps hosting. I also have a keen interest in Digital Marketing, and this has led to a passion for market segmentation and target marketing. I enjoy reading about current affairs, advances in science and technology as well as watching documentaries that broaden my knowledge.

References

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