

# Mohammed Osama Khan

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## Profile

Recipient of an honors degree in BSc. Mechanical Engineering at Abu Dhabi University with a CGPA of 3.97. I am a responsible individual with excellent analysis and critical thinking skills and can solve complex problems with ease. I am highly motivated and target-driven when it comes to paving a clear career path within the company.

## Education

### BACHELOR OF SCIENCE | ABU DHABI UNIVERSITY

Graduated 2020

- **Major:** Mechanical Engineering (Summa Cum Laude: CGPA – 3.97)
- **Capstone Project:** Renewable Energy Systems -Solar Powered Air Conditioning System

### HIGH-SCHOOL | AL AIN JUNIORS SCHOOL

Graduated 2016

- IGCSE, A-level
- Main courses: Mathematics, ICT, English, Chemistry, Physics, Biology

## Publication

- **Publisher: IEEE**

*M. O. Khan, M. A. Khan and S. S. Dol, "Effects of Chevrons on the Acoustic Noise and Velocity Patterns of Aircraft Nozzles," 2020 International Conference on Decision Aid Sciences and Application (DASA), Sakheer, Bahrain, 2020, pp. 845-849, doi: 10.1109/DASA51403.2020.9317118.*

## Experience

### Internship | SCHLUMBERGER

2020-2020

- Working with the Wireline Department.
- Assisting the equipment readiness team with daily tasks.
- Working with the E-lab team in various jobs including and not limited to, assembling, setting up and troubleshooting WAFE and eWAFE systems.

### Research Assistant | ABU DHABI UNIVERSITY

2019-2020

- Carrying out research in various fields of Mechanical Engineering.
- Studying on the use of Stirling Engines for useful energy production.
- Analyzing effects of chevron on the velocity and acoustic pressure of nozzles.

### TEACHER | LEARNING SUPPORT CENTER | ABU DHABI UNIVERSITY

2016-2020

- Teaching advanced calculus and physics courses to freshmen and sophomore year students.
- Data entry

## WORKSHOPS AND VOLUNTEERING

2017-2020

- **Accenture Arab Youth Innovation Roadshow** (2019)
- **The Year of Zayed Walkathon** (2018)
  - Keeping records of the participants
  - Distributing essentials to the participants during the event.
- **Math Fun Day** (2017)
  - Assisting the judges in calculating scores and evaluating winners.

## Achievements

- Graduating with a CGPA of 3.97 (Summa Cum Laude).
- Research on the “Effects of chevrons on the acoustic pressure and velocities of nozzles” which was later published in IEEE conference.
- Winning the Best Technical Report Award for Abu Dhabi University in the Global Hybrid Electric Challenge 2019, Dubai.
- Overall Award of Excellence, Abu Dhabi University, Abu Dhabi.
- Dean’s list, honor student award, Abu Dhabi University. (4 years, All semesters)
- High school best performer award (Graduation Year)
- Academic topper at A-levels, As-levels and IGCSE’s with all A\*’s.
- Second Place Mathalon competition – University of Wollongong Dubai (2015)

## Abilities

- Ability to manage complete projects before deadlines.
- Excellent analysis and problem-solving skills
- Excellent report making skills.
- Dynamic and motivated fast learner.

## Skills

**Languages:** English – Fluent (IELTS Band 7.5)

Urdu – Native Language

### Software Skills:

- Advanced knowledge of FEA application ANSYS (Fluent, Static Structural, Rigid Dynamics, Modal, Steady Heat transfer, Transient Heat transfer)
- Advanced knowledge of Spaceclaim CAD application.
- Basic knowledge of Autodesk application AutoCAD.
- Advanced knowledge of MS Office (Excel, Word, Power Point)

**Interpersonal:** Effective communication skills as shown by my achieving of IELTS band 7.5

## Personal Details

- Nationality: Pakistani
- Visa Status: Residence Visa
- Driver’s License: Valid UAE driving License.