

Subah Majid S Alkhaldi

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Education

University College London - (2017-2021) London, UK

- Mechanical Engineering Bachelor (& IoT Minor) – First Class Honor, Top 5% Dean's List Award.
- Ranked 1st amongst 68 students as a first-year mechanical engineer.

Saudi Aramco College Degree Program for Non-Employees - (2016-2017) Dhahran, Saudi Arabia

- Fully funded educational CDPNE scholarship by Saudi Aramco (<5% acceptance rate).

Dhahran Secondary School - (2013-2016) Dhahran, Saudi Arabia

- Completed highschool education maintaining the highest marks across all classes (top 1%).

Research Academic Experience

Self-proposed bachelor thesis titled 'Predicting solar irradiance using machine learning techniques to efficiently optimize locating renewable energy projects in Saudi Arabia.'

- Modeled solar irradiance in short & long-time frames via atmospheric data analytics. The model relates solar radiation to weather parameters achieving optimized renewable energy systems.
- Collaborated with professionals at KACARE and NREL to build upon their work in renewable predictions, especially for potential solar projects in Saudi regions in-line with the strategic objective of the National Renewable Energy Program (NREP) in Saudi Arabia

Professional Work Experience

Aramco Jafurah-Dhahran-London-Mumbai, Global
Jafurah Mega-project Engineer Aug 2021 - Present

- Managing +0.5 Billion USD purchase orders, analysing energy-project market conditions & logistics, and leading project execution strategy for Jafurah's critical high-value machines.
- Managed the Environmental Impact Assessment (EIA) efforts for the Jafurah megaproject in Mumbai, India & Reading, United Kingdom with NCEES, Aramco EPD, and other stakeholders.
- Obtained PMP®, CMRP & NCEES FE Mechanical Professional Certifications.
- Recognized as youngest technical speaker at ME RoTIC 2022 Conference in Dubai, UAE.

Eco-V (African Solar Energy Startup) Pretoria, South Africa
Energy intern Aug 2019 - Sep 2019

- Selected by the Royal Academy of Engineering (RAEng) engineering to work on a fully funded internship with a solar energy startup (Eco-V) in South Africa.

McKinsey & Co London, UK
Edad Program Member Apr 2019

- Led a team of 6 to propose national energy strategy & pitched to 30+ participants.

Additional Engagements

- Selected in SYLEP 2.0 Program by the U.S. Department of State in the energy & climate track.
- Selected delegate of Misk Foundation to represent Saudi youth in AI For Good Global Summit in Geneva, Switzerland in July, 2023 representing KSA in the AI & Climate Change sessions.
- Selected as the Saudi Youth Delegate in 2023 by the International Renewable Energy Agency (IRENA) to be a speaker in a panel discussion & to present research results in its 13th Assembly in 2023.
- Ignited Voices Finalist by MiSK Foundation in 2022 - Energy Track.
- Selected Saudi Energy Leaders Assembly member.
- Organized & moderated 'Sustainable Rotating Machinery Circularity Practices' forum at Aramco.
- Student Ambassador in UCL UPCSE Program, Arabic volunteer educator, and academic mentor.