

# Amani Gamal Sabri Hassanein

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## Professional Profile

Freshly graduated Chemical Engineer from Qatar University with a cumulative GPA of 3.08 and with time management and communal skills. Experienced IT Specialist in Information Technology Services section in Qatar University for 3 years as an undergraduate employee, and currently working as a research assistant with the Department of Research and Graduate Studies in the **Centre for Advanced Materials (CAM)** in Qatar University. Published a paper on **Hybrid halloysite nanotubes as smart carriers for corrosion protection** in one of the top journals; **ACS applied materials & interfaces**. Had Internship in **Qatar Petrochemical Company (QAPCO)** and won the second place in their safety competition. One of the dean's list students at Qatar University, member of **Society of Petroleum Engineers (SPE)**, Chemical Engineering chapter at Qatar University, participated and volunteered in medical, athletic, and non-academic fields and activities. Have a professional approach and can communicate concisely at all levels.

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## Education and Qualifications (2015-2019):

- **B.Sc. Degree:** Chemical Engineering, College of Engineering, Qatar University with a cumulative GPA: 3.08.

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## Experiences:

- **Part time jobs as undergraduate student:**
  - 3 years' experience at Information Technology Services in Qatar University as IT support specialist (2016–2019).
- **Internship:** six weeks training with QAPCO (Qatar Petrochemical Company) under LDPE department. Won second place in a team safety presentation competition. (July, 2018– August, 2018)
- **Currently working** as Research Assistant in CAM at Qatar University (since September 2019)

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## Research publications and projects:

**Journal publications:** Khan, A., Hassanein, A., Habib, S., Nawaz, M., Shakoor, R. A., & Kahraman, R. (2020). Hybrid Halloysite Nanotubes as Smart Carriers for Corrosion Protection. *ACS Applied Materials and Interfaces*, 12(33), 37571–37584. <https://doi.org/10.1021/acsami.0c08953>

**Graduation project:** Plant design course project was about designing petrochemical plant including equipment's design, Heat and Mass integration, Environmental Impact Assessment, and economic analysis. The plant's capacity was 52K tonne/year of 99% pure acetic acid.

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## Memberships:

- Member of American Institute of Chemical Engineers AIChE.
- Member of SPE, Chemical Engineering chapter at Qatar University.

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## Skills:

- Windows MS Office
- C++
- Aspen HYSYS/ Aspen Plus
- HTRI
- SolidWorks.
- Origin lab
- Martial arts: Taekwondo (red belt). At Qatar Taekwondo and Judo Federation.

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## Voluntary work -with-:

- Madinat Khalifa Health Centre for 50 hours (September 2012).
- Qatar Olympic Committee for 25 hours (April 2013).
- Qatar Diabetes Association for 15 hours (September 2013).

- Qatar Debates for 10 hours (2013/2014).
- Qatar Taekwondo and Judo Federation for 50 hours (January 2014).
- Astronomy Club in Qatar University in zero second event (April 2017).
- Parents Unit in Qatar University in parents gathering event (Fall and Spring 2017).
- Organizer in ASTROCON Doha 2017 event.

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**Awards:**

- Dean's list student for three semesters (Fall, spring 2016 and spring 2019).
- Participation award in the world maths day competition (March 2010).
- 2 silver and 1 bronze medals in Taekwondo Championships at the local level (2012 – 2014).

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**Personal Details:**

- **Bilingual:** Arabic (Native) and English (Fluent).
- **Date of birth:** 28/03/1998
- **Place of birth:** Doha, Qatar
- **Nationality:** Egyptian

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**REFERENCES ARE AVAILABLE ON REQUEST**