

# Ayesha Siddiqua Nasr

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Mobile (WhatsApp) Number: +974 30016024

Email: ayesha.nasa@outlook.com

LinkedIn: [Ayesha Siddiqua Nasr](#)

Residence: Lahore, Pakistan

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## Education

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- **B.Sc. (Hons) Petroleum and Natural Gas Engineering** | Class of 2024  
Middle East Technical University (METU), Turkey  
3.2 | Honor's Roll
- **A-Levels (2020):** Graded A in Biology, Chemistry & Mathematics Newton International Academy, Qatar
- **O-Levels (2018):** 3 A\*s in Biology, Mathematics, Physics & 4 As in Chemistry, English, ICT, Urdu

## Expertise

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- **Software:** MS Excel (NASBA Certified), Python, Aspen HYSYS, PowerBi (NASBA Certified), SLB PipeSim, CMG Builder, CMG Stars, CMG Results, CMG IMEX, MS Office, SharePoint, CFD, FEA, Autodesk CAD, Robotics, C programming, MATLAB, Alteryx, R programming
- **Skills:** Data analysis, Data Modeling, Data management, Pressure Management, Teamwork, Communication

## Work Experience

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- **Digital and Integration Reservoir Engineering Internship at SLB, Islamabad** **July 2023- Sept 2023**
  - Ensured compliance with safety standards through successful completion of the New Employee Safety Training (NEST) and adherence to industry safety protocols.
  - Assigned to the Digital and Integration division within the Analysis and Interpretation department, contributing to data-driven decision-making processes.
  - Delivered onsite technical support to reservoir management and petrophysical analysis teams during various operational phases.
  - Acquired hands-on experience in Production Logging, Formation Testing, and Well Integrity, aligning with field operations in the oil industry.
  - Demonstrated effective communication skills through presentations on MDT tool string components, supporting equipment installation and maintenance efforts.
  - Developed proficiency in digital technologies for reservoir simulation and analysis and contributed to data analysis and interpretation efforts.
  - Performed data analysis and interpretation to support accurate formation evaluation and reservoir characterization, contributing to operational efficiency.
  - Engaged in workshops and collaborative projects to enhance teamwork and communication skills.
- **Lead Undergraduate Research Assistant** **Sept 2023- June 2024**
  - Guided undergraduate researchers in experimental design, data collection, and analysis related to CCUS technologies and sustainability
  - Managed timelines, resources, and deliverables to ensure the successful completion of research projects.
  - Presented project: "Applications of Carbon Sequestration," at the SPE Student Paper Contest 2024 in Zagreb, Croatia.
  - Collaborated with faculty members, industry partners, and research collaborators to advance CCUS initiatives
- **Teaching Assistant** **Sept 2023- June 2024**
  - Student aide for Reservoir Engineering
  - Lab assistant for Well Simulation

## Academic Projects, Honors and Achievements

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- 'Lifecycle of a Hydrocarbon Field- from Exploration to Abandonment and the Economics in the background' as the Graduation Capstone project
- Nominated to lead the METU NCC team for the Drillbotics 2023
- Created an app to automatically design 'mud windows', based on the parameters entered
- Estimated the Pump setting depth using production data and flow rate dynamic fluid level relationships
- Coded an application for 'Combination Casing Design', using Python

## Extra Curricular Activities

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- First Aid Volunteer for the International Red Cross and Red Crescent Movement- Qatar 2024
- Attended the 'Formation Testing' workshop, held by Javid Shiryev 2024
- Enrolled in the Harvard Aspiring Leader Program 2024
- Volunteered as a 'Safety Officer' for the 4 km Charity Marathon 2024
- Elected as Head for the Environmental Sector of the Youth Sustainability Society endorsed by the UN 2024
- Spearheaded the green campus initiative to save energy and reduce individual carbon footprint 2024
- Elected as the Vice President for SPE METU NCC chapter 2023
- Volunteer at the Animal Welfare Shelter 2023
- Elected as Head of the International Student Association (ISA) 2022

## Certifications

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- (In Progress) NEBOSH International General Certificate (IGC) 2024
- ISO 9001:2015 Quality Management Systems 2024
- 'First Aid and CPR' by the Qatar Red Crescent Society (QRCS) 2024
- 'Well Operations Crew Resource Management (WOCRM)' by the International Well Control Forum 2024
- 'IWCF Level 1' by the International Well Control Forum 2024
- 'Excel Training by Microsoft' by National Association of State Boards of Accountancy (NASBA) 2024
- 'Power BI Essential Training' by National Association of State Boards of Accountancy (NASBA) 2024
- 'SQL Essential Training' by LinkedIn Career Essentials 2024
- 'MATLAB Onramp' by MathWorks 2023

## Languages

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- **English:** Fluent- TOEFL score: 110
- **Urdu:** Native
- **Turkish:** Beginner
- **Arabic:** Beginner

## Hobbies and Interests

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- **Crocheting**
  - Crocheted small toys and stuffed dolls for donation
- **Cycling**
  - Part of an adventure cycling group
- **Journalling**
  - Primarily used as a tool for self-analysis and reflection