

# MESHACK NYITI

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• Austin, Texas, United States



**OBJECTIVE:** Currently pursuing M.S. in Petroleum Engineering at UT Austin; I am looking for internship or long-term job opportunities. Open to relocation, remote work, and hybrid arrangements. *I strongly believe in the power of hard work, faith, and discipline.*

## **EDUCATION**

**University of Texas at Austin** (*Fulbright Scholarship Award*)

**Austin, Texas, United States**

Master of Science in Petroleum Engineering "*Focus on Subsea, Production & Reservoir Engineering*"

**2023 - 2025**

**University of Dodoma**

**Dodoma, Tanzania**

Bachelor of Science in Petroleum Engineering

**2013 - 2018**

## **PROFESSIONAL CERTIFICATIONS:**

- Engineers Registration Board: Graduate Petroleum Engineer Certificate. Jan 2019
- National Board of Technical Awards: Competence Based Instructor. Dec 2021
- Professional Certifications: Oil and Gas Dept Operation and Management, Automobile diagnosis and maintenance Oct 2022
- STCW certificate in Fire Prevention and Fire Fighting (FPFF), Personal Survival Techniques (PST), Ship Security Awareness (SSO) Elementary First Aid (EFA) Dec 2022

## **PROFESSIONAL EXPERIENCE**

**Dar-es-Salaam Maritime Institute**

**12 Sokoine Drive, Dar-es-Salaam, Tanzania**

**Petroleum Engineering Instructor**

**40 hours/week May 2020 – Aug 2023**

- Taught and conducted tutorials and practical exercises to student pursuing diploma/ undergraduate in Oil and Gas Engineering
- Provided consultancy in gas production optimization, reservoir engineering and training to industry professionals.
- Supervised students in conducting research and mentoring final year students in career development.
- Collaborated with programmers to add features to our learning management system i.e. automated transcripts and results.
- Collaborated with lecturers to prepare curriculum, teaching plans and practical exercises for professional courses.

**Britam Insurance**

**Posta, Dar-es-Salaam, Tanzania**

**Management Graduate Trainee**

**50 hours/week Aug 2019 – April 2020**

- Conducted risk surveys and site visits for covers under engineering as per authority matrix.
- Reviewed application for engineering insurance covers to assess risk profiles and allow quality business through.
- Monitored and ensured that key interfaces adhere to the set engineering claims handling standards before payment.
- Ensured compliance with Tanzania Insurance Regulatory Authority & Ombudsman on claims and underwriting process.

**Pricewaterhouse Coopers (PwC):**

**Oyster Bay, Dar-es-Salaam, Tanzania**

**Audit Trainee (Technical Audits)**

**50 hours/week Jan 2019 – Jul 2019**

- Ensured client compliance with National Standards, Acts and Manuals demonstrating skepticism and accuracy.
- Acted as the initial client contact, extracting vital financial information from lower management level.
- Proposed financial adjustments to the trial balance and prepare Management Letters for clients.
- Managed administrative tasks, audit closure presentations and facilitated communication with senior management to ensure control deficiency weakness are well communicated.

**Tanzania Petroleum Development Corporation**

**Posta, Dar-es-Salaam, Tanzania**

**Petroleum Engineer Trainee**

**40 hours/week July-Sept 2015, 2016, 2017**

- Performed production optimization to control flowrate and ultimate recovery of natural gas in the field.
- Collaborated in Control Room Operation i.e. accurately observing change in variable from Programmable Logic Controller and operating plant facilities accordingly to ensure smooth operation.
- Did Troubleshooting and maintenance of plant facilities i.e., Valves, Pumps, Generators, and other units according to manuals.
- Performed well intervention to ensure well integrity and Pumping corrosion inhibitors,

## **COMPUTER/SYSTEMS EXPERIENCE**

### **Level**

### **Experience**

Python for Machine learning and AI	Intermediate	> 1 years
CMG IMEX, GEM for Reservoir Simulation	Intermediate	> 3 years
Aspen HYSYS for Process simulation.	Advanced	> 8 years
C++, Matlab	Advanced	> 9 years
Autocad, Solidworks	Advanced	> 8 years
Microsoft Office: Excel, Word & PowerPoint	Advanced	> 10 years
Oracle & PeopleSoft: ERPs, Aura & Lotus Notes	Intermediate	> 2 years

## **COMMUNITY SERVICE, ACTIVITIES AND HONORS**

### **Founder and Faculty advisor of DMI Chapter**

**Jan 2023 – Dec 2023**

- Established an SPE chapter, dedicated to providing aspiring petroleum engineers with the latest industry knowledge and benefits.

### **Launching multiple Oil and Gas program**

**Sept 2020**

- Collaborated with colleagues in launching and teaching the first undergraduate, diploma and certificate course in Oil and Gas program at DMI with more than 300 undergrad students, a course tailored to produce graduates on fit to purpose basis in Tanzania.

### **Brass Band Instructor at Kijitonyama Lutheran Church**

**2013 – 2022**

- Mentored teenagers on life skills while teaching them staff notational music to build up the band that plays on church sessions.

### **College Student Representative at University of Dodoma Students' Organization**

**2013 - 2014**

- Exercised influential representation in the Student Parliament, championing the interests of the College of Earth Sciences and actively contributing to the formulation of impactful expenditure plans and budgets for the upcoming year.

### **Africa Leadership Finalist**

**Nov 2011**

- Award for your young impactful leaders and future entrepreneurs.