

# SHEIKHIDRIS MOHAMMED

## Mechanical Designer (Research & Development)



- ✓ Email: [sheikhidrismusa@gmail.com](mailto:sheikhidrismusa@gmail.com)
- ✓ GRABCAD: <https://grabcad.com/sheikhidris.mohammed-1>
- ✓ LinkedIn: <https://www.linkedin.com/in/sheikhidris-mohammed-a201a589/>
- ✓ Mobile No: +966582469368

## PROFILE

A self-motivated and innovated designer with entrepreneurship mindset. Having +8 Yrs. experience in the **SOLIDWORKS™**, mechanical designing, and developing products and accessories considering an optimized design to facilitate systems fabrication at an optimal cost. I have registered patents for an innovative solution in evaporative air conditioning and seek for a better opportunity to share my experience and enrich my knowledge.

**Date & place of birth:** 29 May 1985, Sudan

**Gender:** Male

**Marital Status:** Married

**Nationality:** Sudanese

**Languages:** English & Arabic

**Residence:** Dammam – Saudi Arabia

## EDUCATION:

- Mechanical Engineering, Bachelor (BSc/BA), GPA (Honor) Degree, 2008 - 2013 University of Khartoum.

## KEY SKILLS:

- ✓ The ability to generate ideas
- ✓ Helping solve problems in creative ways
- ✓ Ability to support employers to register a patent.
- ✓ Experienced in preparing and submitting scientific papers.
- ✓ Expert in the realization and testing of prototypes.
- ✓ Expert in 3D modelling, assemblies, and drafting.
- ✓ Strong communication at all levels with interpersonal abilities.
- ✓ Ability to sustain a high standard of work, dedicated, hardworking, and organized team player.

## WORK EXPERIENCE:

- ✓ **R&D Mechanical Designer– Travel Mate Company - KSA**  
July 2018 - Till now
  - Creating & designing new products, mechanical parts, and enclosures that meeting customer requirements to generate revenue for the company.
  - Preparing design concept considering ISO Quality Management System and International Standards.
  - Analyzing market's needs, developing solutions, and helping company to registered patents.
  - Giving consultations in engineering solutions to solve product problems.
  - Designing new products using **SOLIDWORKS™**, and then printing the design with a 3D printer.
  - Developing procedures for testing manufactured products before release to the market.
  - Supporting Sales team in products demonstration with customer.
- ✓ **R&D Mechanical Engineer**  
**SUDASMART- Sudan**  
June 2014 - July 2018
  - The achievement of three innovations:  
These ideas solve problems with the lowest costs and the highest quality
  - Helicopter engine test system  
Educational laboratory experience with simple and economical tools that are easy to install, operate and teach  
<https://www.youtube.com/watch?v=Ojesm-y72U4&t=94s>
  - Evaporative conditioner pump  
Development of the air conditioner pump to solve the electric shock problem and make it a safe pump to use  
<https://www.youtube.com/watch?v=OVj29VJ66Dw>
  - Additional hydroelectric generation for dam  
Increasing the efficiency of electrical generation by more than 25%  
<https://www.youtube.com/watch?v=-jmlTixWVTk>