

## CONTACT

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### Projects

- **Smart driving test**  
Automate the driving test process based on AI and IoT technologies.
- **Smart traffic system:**  
A smart city application to reduce traffic on roads, to increase the physical, economical, and social advantages of the community. Amalgamating the various concepts of IoT such as M2M devices and AI to be used in smart cities.
- **Datirition:**  
Reading nutrition facts labels from food product images using Data Science to have better health decisions.
- **Line following robot:**  
Robot follows a line and decides its course of action.
- **Fingerprint sensor:**  
A sensor that can detect fingerprints to secure buildings and treasures.
- **Smart parking system:**  
A parking system that can detect how many cars are in the parking lots to organize and prevent traffic in the road.
- **FANUC Robot:**  
Programmed a FANUC robot to write.

### Skills

- Data Science
- Internet of Things
- Artificial Intelligence
- Machine Learning
- Deep Learning
- Web Development
- PLC, Python, Arduino and Raspberry pi, C, C++, Java.
- Troubleshooting
- Leadership

### Publications:

Assistance Research at Kent state University (Jun.2017-May.2018)

Response of Polyethylene films to low energy electron beam irradiation. ([Here](#))

## OMAR ALHARBI

### Mechatronics Engineer - Data Scientist – Internet of Things Engineer

#### Professional Profile

A certified Data Scientist and Internet of Things Engineer with a background in Mechatronics Engineering, Internet of Things, and Artificial Intelligence.

Engineering has equipped me with tools and skills that enabled me to look at problems differently and generate logical solutions along with depth for analyzing data using machine learning and artificial intelligence, seeking a role in a fast-growing organization to develop further in my career.

#### Experience

IT Officer, Tawtheeq Company (Jul.2020-Aug.2021)

- Enhanced company application
- Deployed and managed IT projects

#### Achievements

Absherthon Competition (Feb.2020-Nov.2020)

- Won the prize with my team (smart driving test)
- Create a new technique to measure drivers' behavior using the Internet of Things and Artificial Intelligence technologies.

Peer Tutor, Kent State University, Kent, Ohio (February.2017-May.2018)

- Worked closely with students covering class materials, quiz and test preparation.
- Tutored students on Mathematics, Hydraulics and Mechatronics.
- Prepared extensive materials and handouts to better assist students' needs.

Researcher, NEO Beam facility (Jun.2017-May.2018)

- Co-author and assistance researcher.
- Worked on the maintenance and troubleshooting of a computer-controlled system.
- Modified materials using high-energy electron beams.

#### Qualifications

- Bachelor of Science (May.2018)  
Kent State University, Kent, Ohio  
Major: Mechatronics Engineering  
Minors: Management for Non-Business Major  
Safety and Quality in manufacturing  
Overall GPA: 3.6 out 4
- MISK Academy / Google: Google IT Automation with Python (Dec.2020-Mar2021)
- MISK Academy / Udacity: Deep Learning (Apr.2020-Aug.2020)
- MISK Academy / Samsung Electronics (Samsung Innovation Campus): Internet of Things (Feb.2020-Mar.2020)
- MISK Academy / General Assembly: Data Science Immersive (Sept.2019-Dec.2019)
- FANUC Robotics Training Certificate
- Occupational Safety and Health Administration Training Certificate
- Saudi Council Engineering