

Abdalla Rashed

Machine Learning Engineer

Backend Developer specializing in Machine Learning & Computer Vision applications, with a background in Electrical Engineering. I possess high analytical and programming skills, seeking to grow my experience in AI and ML research & development.

Experience

- APR 2023

Project Engineer
Lockheed Martin CISS, UAE (Contractor)
 - Research & Development for automated FOD detection in engine bay of aircrafts.
 - Workshops & mentorship support.
- SEP 2022

- Technology strategy consulting.
- JUN 2022

Artificial Intelligence Intern
Lockheed Martin CISS, UAE
 - Research & Development for an AI aircraft inspection program.
 - Showcasing project progress, results, and future strategies to executives & VIP guests.
- MAR 2021
- AUG 2020

Electrical Engineering Intern
Abu Dhabi University, UAE
 - Research for social-distance monitoring, vehicles detection, lane detection & behavior cloning projects.
 - Self-Driving Course Material: Preparing lab manuals and project kits
- JUN 2020







Education

- SEP 2020

B.Sc. In Electrical Engineering
Abu Dhabi University, UAE
- SEP 2016

- Summa Cum Laude with 3.99/4.00 CGPA.

Personal Info

-  [Sharjah, UAE](#)
-  [+971 52 124 0215](#)
-  r.abdalla.1195@gmail.com
-  github.com/r-evaar
-  r-evaar.github.io/profile
-  **Golden Visa**

Software and Programming

Python

PyTorch, NumPy, Pandas, OpenCV, Tkinter, Selenium, Flask

MATLAB

Deep Learning & Data Acquisition Toolboxes, App Designer

C++

STL

Web

HTML, CSS, Bootstrap

Version Control

Git, GitHub, & GitLab

Skills

Machine Learning Experience

- CNN Classification & Regression
- Object Detection
- Motion Detection & Tracking
- Anomaly Detection & Self-Supervised Learning
- Basics of Online Learning

Agile Software Development Life Cycle

3D Design & Printing

- Autodesk Inventor

Embedded Systems Programming

- Arduino & Raspberry Pi
- Nvidia Jetson SOM

ROS Basics

Electrical Circuits Design

Professional Writing & Presentation in LaTeX & MS Office

Other Projects

APR 2021 OCT 2020	AI-Powered Autonomous Robot for Pit and Flue Wall Health Condition Assessment <i>Emirates Global Aluminium, UAE</i> <ul style="list-style-type: none">• Worked on building an AI-Powered drone for monitoring the operating conditions of aluminum anode baking furnace.• Developed a framework for pit detection, visualization, & post-processing.• Worked on an UWB indoor positioning system.
JUL 2020 SEP 2019	Smart Shopping Cart for People of Determination <i>Abu Dhabi University, UAE</i> <ul style="list-style-type: none">• Developed a smart shopping solution to assist wheelchair users.• Design involved: robotic arm for gripping items, automatic barcode detection and scanning system, cart items detection & validation, and a shopping user interface.
MAR 2020 OCT 2019	Autonomous Robot for Temperature Abnormalities Detection <i>Emirates Global Aluminium, UAE</i> <ul style="list-style-type: none">• Worked on an AI robot for detecting temperature abnormalities at aluminum smelters.• Developed an autonomous driving framework for the robot.• Provided and designed a solution for electromagnetic field interference, enabling the robot to properly operate at site.

Awards

APR 2021	First Place in 3rd EGA Industrial Robotics Competition <i>Emirates Global Aluminium, UAE</i>
JUN 2020	First Place in 3rd Annual ECE Design Project Competition - Judges' Choice <i>Abu Dhabi University, UAE</i>
MAR 2020	First Place in 2nd EGA Industrial Robotics Competition <i>Emirates Global Aluminium, UAE</i>
2017-2020	Certificate of Excellence, Certificate of Honor Student <i>Abu Dhabi University, UAE</i>

Other Activities

Dubai Maker Fair Exhibition
26th-28th Feb 2019

ADDA – Hackathon
17th-19th Nov 2019

Languages

Arabic, Native Speaker
English, Fluent