



# AMMAR FADHIL

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## SUMMARY

Motivated data scientist with experience in graphic design and IT. Passionate about building models that fix problems. Relevant skills include machine learning, problem solving, programming, and creative thinking.

## SKILLS

**PROGRAMMING:** Python, SQL  
**DATA ANALYSIS:** Data Visualization, Data Cleaning  
**TOOLS & PLATFORM:** Docker, AWS  
**BIG DATA:** Apache, Spark, PySpark  
**DESIGN:** 3D Max, Photoshop, Premiere Pro, After Effects, Illustrator  
**SPOKEN LANGUAGES:** English, French, Arabic

## PROJECTS

### Breast Cancer Detection

Tools: Python, pandas, numpy, matplotlib, keras  
Goal: Using Convolutional Neural Networks (CNN) to Detect Breast Cancer  
Dataset: Breast Histopathology Images (Kaggle)  
Results: Predict if the image has Invasive Ductal Carcinoma (IDC) or not.

### Predict flight arrival delays

Algorithm: Classification & Regression Models  
Goal: To predict arrival delays of commercial flights in Jan 2020.  
Dataset: Departure and arrival information about flights in the US for 2018 and 2019; over 600K data points.  
Results: Final model was RandomForestRegressor and improved upon the base model accuracy.

### Automate the loan eligibility process

Algorithm: LogisticRegression  
Goal: Automate the loan eligibility process based on customer details that are provided as online application forms are being filled.  
Dataset: Bank customers historical data  
Results: build a predictive modeling to automate the loan eligibility

### Quora Duplicate Question Pairs Identification

Identify question pairs that have the same intent in Quora website

Nov. 2022 - Current

## EDUCATION

### Lighthouse Labs

Diploma Data Science 2022

### Aircraft Maintenance Technology Collage

Diploma Computer design-Catia 2012

### University of Technology

Bachelor Materials engineering 2006

## EMPLOYMENT

### Ampro construction, Manager, Edmonton, AB

Oversee and direct construction projects from conception to completion.  
Review the project in-depth to schedule deliverables and estimate costs.  
Oversee all onsite and offsite constructions to monitor compliance with building and safety regulations.

Oct. 2020 - Current

### D2 Technologi, Graphic designer, Candiac- Quebec

Develop primary sketches and models for final selection of product designs.  
Create designs using illustration, photo editing and layout software.  
Using 3D modeling, texture, mapping, and other techniques to create graphics, visual effects, and animations.

Oct. 2011 - July 2012

### Baghdad satellite channel, Designer, Baghdad, Iraq

Created animations, 3D still renders, and other graphics  
Handled video and photography  
Created online digital advertisements

May 2005 - Dec. 2009