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# Abdelrahman Gomaa Mohamed

Research Assistant

## SUMMARY

Passionate machine learning engineer with the ability to apply ML techniques and leverage algorithms to solve real-world business problems. Established ability in deploying effective predictive models in different web applications.

## KEY SKILLS

- ML Algorithms
- Data Visualization
- Data Cleaning
- Deep Learning
- Computer Vision
- Web Development

## TECHNICAL SKILLS

**Tools:** Django, Linux

**Packages:** Scikit-Learn, NumPy, Pandas, Matplotlib, TF, OpenCV

**Statistics/Machine Learning:** Statistical Analysis, Linear/Logistic Regression, Clustering, Graph Theory

**Computer Vision:** Object Classification, Object Detection

**Programming Languages:** Python, C++, Java, PHP, SQL

## EXPERIENCE

**Universiti Malaya** - Research Assistant

Jun 2023 - Currently

- Meshing Refinement using Deep Learning Project.

**W Tech, Malaysia** - Junior Software Engineer Intern

Mar 2022 - July 2022

- Working on different web applications to develop features using NodeJS.
- Dealing with NoSQL and SQL databases.

## PROJECTS

**URL Detection Model**

- Work on two datasets gathered from Kaggle.
- Apply different NLP techniques to extract features from the raw URLs using Scikit-Learn and NLTK libraries.

**Model of Kaggle Competition for Titanic Disaster**

- Provide data cleaning, feature engineering, and data visualization.
- Train the data on six different ML algorithms.

**Intel Image Classification Model**

- Build CNN model
- Get the Bronze medal from Kaggle

**Object Detection Models**

- Build car plate recognizer model using OpenCV
- Build Model to detect hand signs using TF Object Detection API and apply data augmentation

## EDUCATION

**Master Of Computer Science**

Jun '23 - Present

**UM**

Selangor, Malaysia

Universiti Malaya

**B. Sc. in Computer Science**

Mar '18 - Jul '22

SOFT SKILLS

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- Problem Solving
- Analytical
- Fast Learner
- Hard Working
- Teamwork
- Responsible
- Communication

CERTIFICATIONS

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- **Launching into Machine Learning** | Coursera | Jan 2022
- **How Google does Machine Learning** | Coursera | Dec 2021
- **Data Cleaning and Preprocessing with pandas** | 365 Data Science| Oct 2021
- **Python Certification Training** | Cisco| Apr 2021

ADDITIONAL INFORMATION

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- **Languages:** English ( Upper-Intermediate) and Arabic (Native)