Al Hail, Muscat, Oman

ABDELRAHMAN GOMAA

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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.

EMPLOYMENT

Research Assistant	**Universiti Malaya**	**Jun 2023 - Current**

Meshing Refinement
- Understanding of the mesh process.
- Apply programming techniques to get insights.
- Working with Graph Neural Network to be used In reordering the mesh nodes.

Junior Software Engineer Intern	**W Tech**	**Mar 2022 – Jul 2022**

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

EDUCATION

- M.S.E. in Computer Science Dissertation, Universiti Malaya, currently.
- B.S.E. in Computer Science, Universiti Teknologi Malaysia, July 2022. CGPA: 3.82

TECHNICAL EXPERIENCE

Projects
- **URL Detection Model**. Work on two datasets gathered from Kaggle, applying different NLP techniques to extract features from the raw URLs . Scikit-Learn, NLTK
- **Object Detection Models**. Build car plate recognizer model, as well as build model to detect hand signs with applying data augmentation. OpenCV, TF.
- **Intel Image Classification Model**. Build CNN model with high accuracy of 86% and getting a bronze medal from Kaggle. CNN, TF.
- **Model of Kaggle Competition for Titanic Disaster**. Provide data cleaning, feature engineering, and data visualization, training the data on six different ML algorithms. Pandas, Numpy, Matplotlib.
- **Web Pages Development**. Building a web page with simple backend development to hold a model of URL detection and keep tracking of the previous result of each user as well as building a react based web page to be as my portfolio, showing developing skills by providing Responsive pages, Data Visualization, and React concepts. Django, React, Bootstrap, Git.

LANGUAGES, KEY SKILLS AND TECHNOLOGIES

- Python; C++; C; Java; SQL; JavaScript;
- Object classification; Object detection; Data Cleaning and Visualization; Model Training, Evaluation, and Deploying;
- TFOD, Keras, OpenCV, Scikit-Learn, Numpy, Pandas, Matplotlib

CERTIFICATIONS

- 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

SOFT SKILLS

- Problem Solving
- Analytical
- Teamworking
- Responsilbe
- Communication

ADDITIONAL INFORMATION

- Languages: English and Arabic