Fares Hasan

Artificial Intelligence scholar, Pythonista, Machine Learning and Data Enthusiast

B3- 2- 19 Lagoon Perdana Apartment, 47500
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EXPERIENCE

International Students' Society, Melaka — *Vice President*

July 2016 - July 2017

Managing the society's collaborations and events. Facilitating, monitoring and assisting in events planning and execution.

V Ventures Asia, Bandar Sunway— *Software Engineering Intern*

March 2016 - June 2016

Member of the development team that worked on building the backend of ischolar.my the one–stop online scholarship application platform. Involved in the development stages from analysis and design to the deployment and testing of the product.

EDUCATION

Multimedia University, Melaka— *B.IT in Artificial Intelligence*

June 2014- June 2017

Learned about OOP, Data Structures, Computer Vision, NLP, Neural networks, Agent technology, Software Eng., Database systems..etc.

Albukhary International University, Alor Setar— *Foundation Studies*

May 2012 - May 2014

Studied Intensive English program and Foundation studies in Computer Science.

PROJECTS

Supervised Classification of Tuberculosis using Chest X–ray — *Research Based Final Year Project*

Developed an automated model to diagnose TB from chest x–ray images. Have achieved good results using AdaBoost Ensemble Method.

LINKEDIN

https://www.linkedin.com/in/fareshasan/

SKILLS

Programming: Python, Matlab, SQL, C++, C#, Java, R.

Packages: Sklearn, numpy, pandas, matplotlib, tensorflow.

Presentation and public speaking, persuasion, and team leading.

INTERESTS

Machine Learning
Computer Vision
Data Analysis & Visualization
NLP

GITHUB

https://github.com/Faris137

AWARDS

2nd runner in Multimedia University Data Analytics Hackathon 2014

Sentiment Analysis on Star Wars Rogue One Tweets— *Side Project developed on extension to NLP assignment*

Sentiment Analysis model using Linear SVM and collection of Tweets about Star Wars Rogue One Movie.

Predicting Video game sales— *Developed model for the Innovate Malaysia Design Competition 2017*

An experiment with linear regression model to predict the sales of video games, involves some data wrangling and conversion. (Initial stage).

Facial Expression Detection for Public User Satisfaction Measurement Analysis— *Developed model for the IMDC Competition 2017 (Fusionex & SimeDarby track)*

Using the SIFT features with BVW to analyze facial expressions and measure satisfaction.

PUBLICATION

Classification of Tuberculosis Chest Radiographs using the Ensemble Method — *Research Paper Accepted in the ICORAS 2017 Conference*

Used the HOG and LBP features to represent the lung anatomy and experimented two algorithms from the boosting family of the ensemble method. The AdaBoost performance was significant with 88% AUC score. (Pending publication)

Texture Classification Tuberculosis Chest Radiographs using the LBP and GLCM — *Research Paper submitted to MVA Conference 2017 –Nagoya, Japan*

Experimented the use of two features from the content based image retrieval family and object detection family with the MLP classifier. (Unpublished)

Classification of Tuberculosis with SURF Spatial Pyramid Features — *Research Paper submitted to ICORAS 2017 Conference*

Used a modified Spatial Pyramid Features with SURF descriptors on classifying TB chest radiographs, reports on the performance of each level of the pyramid in comparison with the complete pyramid features. (Pending publication)

LANGUAGES

Arabic(Native), English(Professional), Malay(beginner).

CERTIFICATION

Python Specialization (Michigan University):

- Python Data Structures
- Using Python to Access Web Data
- Using Databases with Python
- Capstone: Retrieving, Processing, and Visualizing Data with Python

The Data Scientist's Toolbox

FARISOLOGY

An educational Youtube channel specialized in Machine Learning and Data Science tutorials In Arabic.