

Nurul Haseena bt Abdul Razak

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SKILLS

Languages & Aptitudes: Python, R (R Studio), SQL, NoSQL, Apache Spark, Tableau, PyTorch, FastAI, Tensorflow, Keras, Gradio, OpenCV

Technical Skills: **Regression** (Linear, Multiple-Linear, Logistic, Random Forest), **Classification** (K-NN, SVM, Random Forest, Naïve Bayes), **Clustering** (K-Means, Hierarchical), Deep Learning, Hypothesis Testing, Data Cleaning, Data Analysis

Other: Data Storytelling, Critical Thinking

PROFESSIONAL EXPERIENCE

Etika Insurance & Takaful

Protégé, Risk Transformation & Model Management

Bangsar, Kuala Lumpur

Nov 2022 – Present

1. Development of In-house e-KYC solution
 - a) Developed, trained and enhanced the fully in-house e-KYC solution by leveraging on machine learning models and computer vision libraries.
 - b) Developed a biometric matching tool (via Python) for facial recognition and facial similarity check.
 - c) Developed an anti-tampering tool to validate the presence of security features in the NRIC (i.e. myKad logo, security chip position, Malaysian flag etc)
 - d) Built a function to match extracted NRIC with government database via webscraping.
2. Fraud Analytics Risk Management
 - a) Gain understanding of fraud modus operandi through validation of fraud category, extracted via text mining and pattern identification.
 - b) Automated the FRAS (Fraud Risk Analytics System) operation to ensure end to end automation via SQL and Python, saving 1 hour on manual processes.
3. Model Risk Management
 - a) Understood the requirements of the Model Risk Policy, beginning with the annual update of the Model Inventory from multiple departments.
4. Risk Transformation
 - a) Support the Risk Management Department (RMD) in administrative tasks including minute-writing, consolidating presentations, and designing communications to RMD.

KWSP

Executive (Protégé), Digital Experience

Jln Raja Laut, Kuala Lumpur

Nov 2021 – June 2022

- a) Reporting to head of Digital Experience section.
- b) Responsible of preparing report on i-Akaun statistics, e.g. monthly take-up rate for references of the top management.
- c) Participate in i-Akaun app new feature UAT session and document issues encountered during testing session.
- d) Liase with Marketing department to produce digital content such as copywriting, promotional videos and push notifications.

SifuTutor Sdn.Bhd

Tutor

Setia Alam, Selangor

Aug 2020 – Present

- a) Teach 15 IGCSE students in Additional Maths and Physics.
Recent student result:
- b) 8 students obtained A in Physics
- c) 6 students obtained A in Additional Maths
- d) Collaborate with 3 colleagues in creating Physics study guide for SPM students.

DATA SCIENCE PROJECT

1. Retailer Credit Scoring System

- Developed a trade credit scoring system for retailers in pharma industry based on the past transactions using **RFM analysis** and **K-Means Clustering**.
- Manufacturing company able to identify group of retailers eligible for trade credit.

2. Malaysian Dessert Classifier

- Built and deployed an image classifier to identify Malaysian desserts using **deep learning**.
- Foreigners unfamiliar with Malaysian dessert can check for food allergen and calories.

EDUCATION

University of Malaya

Bachelor of Physics

Kuala Lumpur

Graduation Date: October 2020

- CGPA: 3.69
- Dean's Award (Semester 2, 2016/2017 & 2017/2018)

DATA SCIENCE CERTIFICATE

360DigiTMG

Data Science Training Program

Centre of Applied Data Science

Data Star Program

Kuala Lumpur

Date of Issue: 3rd July 2022

Kuala Lumpur

Date of Issue: 14th September 2022