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

# EDUCATION

**University of Malaya Kuala Lumpur**

*Bachelor of Physics Graduation Date: October 2020*

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

# DATA SCIENCE CERTIFICATE

**360DigiTMG Kuala Lumpur**

*Data Science Training Program Date of Issue: 3rd July 2022*

**Centre of Applied Data Science****Kuala Lumpur**

*Data Star Program Date of Issue: 14th September 2022*

# PROFESSIONAL EXPERIENCE

**Etiqa Insurance & Takaful Bangsar, Kuala Lumpur**

*Protégé, Risk Transformation & Model Management Nov 2022 – Present*

1. In-house e-KYC solution
2. Developed, trained and enhanced the fully in-house e-KYC solution by leveraging

on machine learning models and computer vision libraries.

1. Developed a biometric matching tool (via Python) for facial recognition and facial

similarity check.

1. 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)

1. Built a function to match extracted NRIC with government database via webscraping.
2. Fraud Analytics Risk Management
3. Support the development of a fraud rating system via text mining and validations to

identify fraud modus operandi.

1. Automated the FRAS (Fraud Risk Analytics System) processes to ensure end to end

automation via SQL and Python

1. Model Risk Management
2. Consolidation of the company’s Model Inventory from multiple departments
3. Others
4. Support the Risk Management Department (RMD) in administrative tasks including

minute- writing, consolidating presentations, and designing communications to the RMD.

**KWSP Jln Raja Laut, Kuala Lumpur**

*Executive (Protégé), Digital Experience Nov 2021 – June 2022*

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

**SifuTutor Sdn.Bhd Setia Alam, Selangor**

*Tutor Aug 2020 – Present*

1. Teach 15 IGCSE students in Additional Maths and Physics.

Recent student result:

1. 8 students obtained A in Physics
2. 6 students obtained A in Additional Maths
3. 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.

1. 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.