HAZMAN NAIM BIN AHSAN

Hutan Melintang, Perak

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Portfolio: hazmannaim.github.io

Education

UNIVERSITI MALAYA Kuala Lumpur, WP Kuala Lumpur

Bachelor of Science, Physics September 2019 - March 2023

- Grade: *Pass with Honours*
- Cumulative Grade Point Average (CGPA): *3.68*
- Best Presentation Award for Final Year Project "Studies on Bipolar Outflows in Star Forming Region AFGL5142 with ALMA".

UNIVERSITI MALAYA Kuala Lumpur, WP Kuala Lumpur

Foundation Studies in Science (Physical Science) September 2018 – August 2019

- Grade: *Pass and Completed*
- Cumulative Grade Point Average (CGPA): *4.00*
- MUET: *Band 3*

Professional Experience

FREELANCE Seri Iskandar, Perak

Personal Tutor March 2023 – Present

- Provided individualised tutoring services to students struggling in mathematics and physics, prioritising the application of concepts and fostering a deep understanding, resulting in a 25% average improvement in their grades.
- Received consistent positive feedback from students, with 90% reporting improved comprehension, increased confidence, and enhanced problem-solving skills in mathematics and physics.

MALAYSIA NUCLEAR AGENCY Bangi, Selangor

Research Intern July 2022 – September 2022

- Collaborated with science researchers on research projects related to plasma focus, fostering a collaborative and cooperative work environment that facilitated knowledge sharing and enhanced project outcomes.

Skills

Programming Language	Python (Experience), SQL (Experience), R (Beginner), C (Beginner), Latex (Experience)
Softwares and Tools	GitHub (Intermediate), Jupyter (Intermediate), Anaconda (Intermediate), R Studio (Beginner), Power BI (Experience)
Data Science	Data Preprocessing, Data Visualization, Data Analysis, Model Development, Machine Learning, Deep Learning, Model Evaluation

| **Libraries and Packages** | Scikit-learn, Keras, Matplotlib, Pandas, NumPy, SciPy, Seaborn, Plotly, Folium, Dash, Flask, OpenCV |

Training and Certification

IBM DATA SCIENCE PROFESSIONAL CERTIFICATE

Link to Repository   August 2023

- Demonstrated proficiency in data analysis, visualisation, machine learning, and data-driven decision-making.

KPMG AU DATA ANALYTICS VIRTUAL EXPERIENCE PROGRAM ON FORAGE

Link to Repository   August 2023

- Performed data quality assessments, segmented customers, and created customer recommendations.

Projects

COMPREHENSIVE APPROACH FROM WEB SCRAPING TO MODEL DEPLOYMENT FOR PREDICTING USED CAR PRICES IN THE MALAYSIAN MARKET

Link to Repository   September 2023

- Developed a predictive model for used car price estimation with 92.7% accuracy, utilising a random forest regressor and 10-fold cross-validation.
- Deployed the model using Flask for web-based predictions.

DIFFERENTIATING GALAXIES, QUASARS, AND STARS THROUGH UTILISATION OF VARIOUS CLASSIFICATION ALGORITHMS WITH SDSS SKY SURVEY DATA

Link to Repository   August 2023

- Applied multiple machine learning classification algorithms to classify galaxies, quasars, and stars within SDSS Sky Survey Data with 99% accuracy.

MODELLING AND PREDICTING HOUSING PRICES IN KING COUNTY, USA: ANALYSING HOUSE SALES DATA

Link to Repository   August 2023

- Utilised a variety of machine learning regression algorithms to model and forecast housing prices with 87% accuracy.

Honours and Awards

GOLD HONOUR - International Astronomy and Astrophysics Competition   July 2021

Leadership and Service Positions

VOLUNTEER – Apadilangit Volunteers Community   Present
VOLUNTEER – Volunteering Secretariat Universiti Malaya   December 2021
VOLUNTEER – Astronomers Without Borders   December 2020