

# HAZMAN NAIM BIN AHSAN

Hutan Melintang, Perak

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Portfolio: [hazmannaim.github.io](https://hazmannaim.github.io)

## Education

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### UNIVERSITI MALAYA

Bachelor of Science, Physics

Kuala Lumpur, WP Kuala Lumpur

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

Foundation Studies in Science (Physical Science)

Kuala Lumpur, WP Kuala Lumpur

September 2018 – August 2019

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

## Professional Experience

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### RENAISSANCE AI

AI Developer

Kuala Lumpur, WP Kuala Lumpur

October 2023 – Present

- Led Research and Development team, innovating and implementing AI technologies for various applications, including product embedding and the development of a speech-to-text application.
- Engineered a recommender system architecture for the backend of an e-commerce platform, optimising product recommendations and improving user experience through the integration of reinforcement learning.
- Collaborated with a cross-functional AI backend team to analyse business requirements, skillfully translating them into scalable and efficient AI solutions that significantly contributed to client satisfaction.

## Skills

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<b>Programming Language</b>	Python (Experience), SQL (Experience), R (Beginner), C (Beginner), Latex (Experience)
<b>Softwares and Tools</b>	GitHub (Intermediate), Jupyter (Intermediate), Anaconda (Intermediate), R Studio (Beginner), Power BI (Experience)
<b>Data Science</b>	Data Preprocessing, Data Visualization, Data Analysis, Model Development, Machine Learning, Deep Learning, Model Evaluation
<b>Libraries and Packages</b>	Scikit-learn, TensorFlow, PyTorch, Keras, Matplotlib, Pandas, NumPy, SciPy, Seaborn, Plotly, Folium, Dash, Flask, OpenCV

## Training and Certification

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### IBM AI ENGINEERING PROFESSIONAL CERTIFICATE

[Link to Repository](#)

November 2023

- Demonstrated proficiency in deep learning, computer vision, and artificial intelligence.

### 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

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### BINARY PREDICTION OF SMOKER STATUS USING BIO-SIGNALS

[Link to Project](#)

November 2023

- Developed a predictive model for smoker status, achieving an impressive 0.87178 AUC score through the integration of a sophisticated approach, including a weighted-voting ensemble of three tree-boosted algorithms, cross-validated predictions, and optimal parameter tuning using Optuna.
- Secured a top 28% position on the Kaggle data science platform, outperforming 1908 fellow data scientists and machine learning practitioners in an open and highly competitive competition.

### 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.

## Honours and Awards

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**GOLD HONOUR** - International Astronomy and Astrophysics Competition

July 2021

## Leadership and Service Positions

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**VOLUNTEER** – Apadilangit Volunteers Community

Present

**VOLUNTEER** – Volunteering Secretariat Universiti Malaya

December 2021

**VOLUNTEER** – Astronomers Without Borders

December 2020