

MUHAMMAD NAQIUDIN BIN NOOR AFFANDY

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OBJECTIVE

Bachelor of Computer Science graduate with a focus in Data Science, set to complete my internship in late January 2025. My experience includes hands-on work in data analysis, machine learning, and web development. Throughout my internship, I have successfully applied my skills in real-world projects, enhancing my ability to analyse and solve complex data-driven problems. Proficient in programming languages, software, and web technologies, I am seeking a **full-time role** as a **Data Scientist, Data Analyst, or Web Developer** starting on **early March 2025**. My expected salary is in the range of **RM3,500 to RM5,000**. I am eager to contribute to a dynamic team and continue expanding my expertise in as a programmer.

EDUCATION BACKGROUND

Physical Science (Module 2)

Malacca Matriculation College, Alor Gajah, Malacca.
CGPA: 3.42

May 2020 – May 2022

Bachelor of Computer Science (Data Science) with Honours

Universiti Kebangsaan Malaysia, Bangi, Selangor.
CGPA: 3.68 (First Class Honour)

Sep 2021 – Aug 2025

WORKING EXPERIENCES

MBO Cinema Sdn Bhd

Service Crew | Part Time

Aug 2022 – Oct 2022

- **Customer Service & Problem Solving:** Provided prompt resolutions to customer inquiries, ensuring satisfaction and a positive experience.
- **Multitasking & Operations Management:** Efficiently handled ticketing, concessions, and seating, maintaining smooth operations in a fast-paced environment.
- **Communication & Adaptability:** Demonstrated strong communication skills in interacting with diverse customers and adapting to dynamic situations, contributing to a customer-friendly environment.

Workshop for Mobile Application Development Club

Facilitator | Freelance

Nov 2023 – Nov 2023

- **AR Development & 3D Modeling:** Led workshops focused on Augmented Reality (AR) development, utilizing Blender for 3D modeling and Effect House for AR content creation, enhancing participant skills in interactive experience design.
- **Technical Expertise & Instruction:** Delivered hands-on training on key AR concepts, guiding participants through the process of modeling, animating, and integrating 3D assets into AR environments.
- **Mentorship & Communication:** Developed strong communication and mentoring skills by explaining complex AR techniques and providing real-time feedback to participants.
- **Creative Collaboration:** Collaborated with fellow facilitators to refine workshop content, encourage creativity, and foster an environment of innovation among participants.
- **Professional Development:** Strengthened professional network within the AR and tech community, while refining skills in team collaboration, problem-solving, and creative design.

Technical Skills: Blender, Effect House, 3D Modeling, AR Development, Mentorship, Communication, Workshop Facilitation, Creative Collaboration.

Telekom Research & Development (TM R&D)

Intern Data Science | Internship

Sep 2024 – Jan 2025

- **Data Analysis & Preprocessing:** Analyzed and transformed complex datasets, including termination, access networks, CTT, and speed tests, for fault detection and QoS improvement using Python, Excel, Power BI and Jupyter.
- **Machine Learning Implementation:** Developed and fine-tuned Random Forest Regression(classification and regression) and LSTM models to forecast internet speeds and predict fault diagnostics, leveraging time-series data for actionable insights.
- **Data Mapping & Automation:** Designed automated workflows for data extraction, mapping, and integration from ACS and Camelia TM systems, improving data accuracy and operational efficiency.
- **Agile Collaboration & Presentation:** Contributed to large-scale projects like Camelia.ACTIVE and SPANMS, collaborating in Agile Scrum teams, and delivering comprehensive presentations on findings and models to supervisors and team project.

Technical Skills: Python (Pandas, NumPy, Scikit-learn), Machine Learning (Random Forest, LSTM), Data Visualization (Matplotlib, Seaborn), SQL, Automation, Data Mapping, Data Processing, Jira, GitLab, and Agile Methodologies.

PROJECT EXPERIENCES

Breast Cancer Prediction using HoverNet Approach System (Final Year Project)

Python, HTML, CSS, PHP, SQL, Visual Studio Code, Django, HoverNet, Deep Learning, Excel.

- Develop a web-based system using a programming language such as Python to implement a deep learning model leveraging the HoverNet framework for simultaneous segmentation and classification of histopathology images. This system aims to cancer nuclei by analyzing histopathology data from PanNuke dataset. The HoverNet model will be utilized to accurately segment and classify nuclei in the images, enabling effective prediction of cancerous cells. The web-based interface will facilitate easy access and usage for medical professionals, enhancing diagnostic efficiency and accuracy.

Customer Segmentation Analysis using K-Means Clustering

Python, Jupyter Notebook, Machine Learning, KMeans Clustering, Excel

- This project utilized the "Mall_Customer.csv" dataset to analyze customer data and segment individuals based on annual income and spending behavior using the K-Means clustering algorithm. The process included data preprocessing, exploratory data analysis (EDA), and implementing Python-based tools such as Pandas, Matplotlib, and Seaborn for detailed visualizations. The analysis identified distinct customer clusters, providing actionable insights into high-value customer groups and enabling data-driven decision-making to optimize customer engagement strategies

Web Based System (Product Catalog)

HTML, CSS, PHP, SQL, Xampp, Bootstrap, Java Script, JQuery, Sublime.

- Utilizing UKM's server, crafting a product catalog website using PHP and JavaScript, with design elements implemented through HTML, CSS, and Bootstrap. This website will function as a product catalogue, allowing admins, supervisors, and normal users to perform specific tasks such as viewing and adding products, uploading product images, managing customers or staff, and generating invoices. The combination of these technologies will ensure a responsive, user-friendly interface and robust backend functionality for efficient product management and customer service.

Sentiment Analysis Model from Tweets Data

Python, Google Colab, Machine Learning, Natural Language Toolkit, Excel.

- This project utilizes the "movie_data.csv" dataset, containing tweet data collected from Twitter. The objective is to perform preprocessing tasks and develop a sentiment analysis model based on the text. We will employ 3 different classifiers which is Logistic Regression, Naive Bayes, and Support Vector Machines (SVM) to gauge their accuracy in sentiment prediction. The preprocessing steps will include cleaning the text data, tokenization, and vectorization. Following this, each classifier will be trained and evaluated to determine their performance in accurately predicting the sentiment of the tweets.

ACTIVITIES AND INVOLVEMENTS

- Committee** Badminton Club **2020/21** – Malacca Matriculation College
- Volunteering** Malaysian Flood Relief 2021 & BERSZA: Rebuild and Recover, **2022** – Kolej Pendeta Za'ba
- Technical Comm.** React Workshop **2022/23** – Universiti Kebangsaan Malaysia
- Project Leader** SCHOOL@UKM Workshop Prototyping using Figma and Bravo, **2022**
- Facilitator** Augmented Reality (AR) Workshop **2023/24** – Universiti Kebangsaan Malaysia
- Marketing Comm.** SCHOOL@UKM AR Competition using Blender, **2023**

ACHIEVEMENTS AND AWARDS

- Silver Award** International Digital Innovation and Invention Challenge (IDIIC), 2021
- Band 3** Malaysian University English Test (MUET), 2021
- 4th Place** E-Sport (Valorant), Piala Dekan, Faculty of Technology & Information Science, 2023
- 4th Place** Football, Piala Dekan, Faculty of Technology & Information Science, 2023
- Bronze Award** AR/VR Reality Competition, Mobile Application Development Club, 2022
- Dean's List Award** (4 out of 6 Semester) Faculty of Information Technology and Science, 2021–2024

SKILL / ADDITIONAL INFORMATION

IT Proficiency :	Excel Power BI Figma Bootstrap	Advance Beginner Advance Intermediate	PhpMyAdmin Access HTML CSS	Intermediate Beginner Advance Intermediate	VS Code Pandas Numpy Scikit-Learn	Intermediate Advance Advance Intermediate
Programming Language :	Python MySQL	Intermediate Intermediate	PHP Java	Intermediate Beginner	JavaScript R	Beginner Beginner
Language Proficiency :	Bahasa Malaysia	Advance	English	Intermediate	Indonesia	Intermediate
Skill Expertise:	Data Visualization Data Cleaning Web Development Deep Learning	Data Preprocessing Data Manipulation Web Design Automate	Data Mapping Statistical Analysis Modelling Analytical Skills	Artificial Intelligence Front-End Back-End Machine Learning		

REFERENCE

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