MUHAMMAD NAQIUDIN BIN NOOR AFFANDY

Kampung Pernu, 75460 Melaka | +60176220665 | Naqiudin73@gmail.com
www.linkedin.com/in/naqiudin-fandy/ **|** github.com/naqiudinfandy | naqiudinfandy.github.io

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. Proficient in programming languages, software, and web technologies, seeking a **full-time role** as a **Data Scientist**, **Data Analyst**, or **Web Developer** starting on **early March 2025**. My expected salary as fresh graduate is in the range of **RM3,500 to RM5,000**. Eager to contribute to a dynamic team and continue expanding my expertise in as a programmer.

EDUCATION BACKGROUND

Malacca Matriculation College, Alor Gajah, Malacca. **May 2020 – May 2021**
Physical Science (Module 2)
CGPA: 3.42

Universiti Kebangsaan Malaysia, Bangi, Selangor. **Sep 2021 – Aug 2025**
Bachelor of Computer Science (Data Science) with Honours
CGPA: 3.68 (First Class Honour)

WORKING EXPERIENCES

Workshop for Mobile Application Development Club **Nov 2023 – Nov 2023**

Facilitator | Freelance

- **AR Development & 3D Modelling:** Led workshops focused on Augmented Reality (AR) development, utilizing Blender for 3D modelling 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 modelling, animating, and integrating 3D assets into AR environments.
- **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 Modelling, AR Development, Mentorship, Communication, Workshop Facilitation, Creative Collaboration.

Telekom Research & Development (TM R&D) **Sep 2024 – Jan 2025**

Intern Data Science | Internship

- **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 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 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.

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 behaviour using the K-Means clustering algorithm. The process included data preprocessing, exploratory data analysis (EDA) and implementing 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. 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** - KPZ
- **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** Faculty of Information Technology and Science, 2021–2024 (4 out of 6 Semester)

SKILL / ADDITIONAL INFORMATION

IT Proficiency :	**Excel**	Advance	**PhpMyAdmin**	Intermediate	**VS Code**	Intermediate
	Power BI	Beginner	**Access**	Beginner	**Pandas**	Advance
	Figma	Advance	**HTML**	Advance	**Numpy**	Advance
	Bootstrap	Intermediate	**CSS**	Intermediate	**Scikit-Learn**	Intermediate
	Gitlab	Beginner	**jQuery**	Beginner	**Linux**	Intermediate
Programming Language :	**Python**	Intermediate	**PHP**	Intermediate	**JavaScript**	Beginner
	SQL	Intermediate	**Java**	Beginner	**TypeScript**	Beginner
					R	Beginner
Language Proficiency :	**Bahasa Malaysia**	Advance	**English**	Intermediate	**Indonesia**	Intermediate

Skill Expertise:	Data Visualization	Data Preprocessing	Data Mapping	Artificial Intelligence
	Data Cleaning	Data Manipulation	Statistical Analysis	Front-End
	Web Development	Web Design	Modelling	Back-End
	Deep Learning	Automate	Analytical Skills	Machine Learning

REFERENCE

Prof. Madya Dr. Shahnorbanun Binti Sahran
Senior Lecturer
Universiti Kebangsaan Malaysia
0196271366 | shahnorbanun@ukm.edu.my

Zainuddin Bin Lambak
Assoc. Sr. Researcher of Unit Centre for AI
TM Research & Development (R&D)
+60139200014 | znudn@tmrnd.com.my