

DANIYAL ROSLI

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SUMMARY

First-class graduate in Intelligent Systems Engineering from Universiti Teknologi MARA (UiTM), equipped with hands-on experience in delivering data-driven solutions that enhance decision-making and operational efficiency. Skilled in Python, SQL, Power BI, and Tableau, with a proven track record of turning complex data into actionable insights and building full-stack web applications that solve real-world problems. Successfully led and contributed to projects involving predictive analytics, machine learning, and dashboard development, streamlining reporting processes and uncovering growth opportunities. Adept at working across cross-functional teams to translate business needs into technical solutions. Eager to apply my technical acumen and problem-solving mindset to drive measurable outcomes in fast-paced tech or engineering environments, while continually advancing my capabilities.

EDUCATION

UNIVERSITI TEKNOLOGI MARA(UiTM)

Merbok, Kedah, Malaysia

Bachelor of Information Systems (Hons.) Intelligent System Engineering

2023-2025

Cumulative CGPA: 3.61/4.0 (First Class Honours)

Dean's List Award: Achieved Dean's List in 4 out of 5 semesters during my studies

Relevant Coursework: Information Systems, Business Data Analytics, Machine Learning, Data Mining

UNIVERSITI TEKNOLOGI MARA(UiTM)

Merbok, Kedah, Malaysia

Diploma in Computer Science

2020 - 2023

Cumulative CGPA: 3.20/4.0

Relevant Coursework: Fundamentals of Data Structure, Computer Security, Programming Paradigms, Database Design.

WORK EXPERIENCES

ADVANCED MICRO DEVICES (AMD) GLOBAL SERVICES SDN BHD

Bayan Lepas, Penang

Data Analyst Software Engineer Intern

Mac 2025 - Present

- Developed and enhanced interactive Power BI dashboards, increasing internal data accessibility and reducing manual reporting time by 30%
- Cleaned and transformed 100,000+ rows of raw data from SQL Server and Excel sources, improving data consistency and reliability for analysis
- Designed intuitive visualizations that helped 3 departments make faster and more informed decisions
- Incorporated stakeholder feedback across 3 major iterations, which improved the dashboard load time by 40% and increased end-user adoption
- Collaborated with cross-functional teams to ensure the dashboard aligned with the business goals and KPIs
- Gained real-world experience handling enterprise-level data pipelines, contributing to the reporting system used by 50+ internal users

DINAMIQ AGENCY

Bayan Lepas, Penang

IT Intern

Sep 2022 - Feb 2023

- Designed visually stunning and user-friendly WordPress websites using Elementor
- Produced video content with Adobe Premiere Pro and DaVinci Resolve to enhance agency branding
- Collaborated with a cross-functional team to enhance user experience and site performance in the WordPress ecosystem
- Utilized Canva and Adobe Photoshop to design engaging visuals across digital platforms

SKILLS

Programming Languages: Python, R, SQL, Typescript, Javascript, HTML, CSS, Go

Web Development: React.js, Next.js, Django, FastAPI, Flask, Tailwind CSS, Shadcn/UI

Machine Learning: Scikit-learn, TensorFlow, PyTorch, Pandas, NLP, Hugging Face Transformers

Data Analysis Tools: Microsoft Power BI, Tableau, Jupyter Notebook, Excel (Power Query, Power Pivot), Looker Studio
Web Scraping: Selenium, BeautifulSoup
Databases: PostgreSQL, MongoDB, MySQL, Supabase
Management Tools: Git, GitHub, Gitlab, Notion
Design: Figma
Others: Microsoft Office 365 (Word, Excel, PPT, Outlook), WordPress, Weka, RapidMiner

PROJECTS

Heartcare: Predictive Analytics for Early Detection and Prevention ([Link](#)) Dec 2024

- Designed and developed a web-based system to showcase the prediction system
- Develop a prediction model to predict heart disease using the Jupyter Notebook
- Facilitates early detection and prevention of heart disease
- Leverages machine learning algorithms to improve prediction accuracy
- Achieved an accuracy of 84% for the prediction model

MyPredictC - Analyzing COVID-19 Clusters in Malaysia (2020-2023) ([Link](#)) Dec 2023

- Developed a dashboard to identify high-risk areas using Microsoft Power BI
- Performs ETL to examine trends in cluster size, duration, and location
- Track active periods and total cases within clusters
- Set a precedent for data-driven, localized pandemic management globally

CareTweet: Suicidal Tweet Detection on X (formerly Twitter) ([Link](#)) Nov 2024

- Develop a machine-learning model to detect suicidal ideation in tweets
- Utilized Natural Language Processing (NLP) techniques in Python to analyze social media text
- Developed a full-stack web application to showcase suicidal ideation
- Provide insights into how language patterns indicate distress and suicidal thoughts
- Contribute to early intervention by identifying at-risk individuals and supporting mental health care efforts

ReviewSense: Advanced Sentiment Analysis for E-Commerce Reviews ([Link](#)) Dec 2024

- Analyze customer reviews to help businesses understand feedback and improve products
- Enhance customer satisfaction through data-driven insights
- Developed a machine learning model to classify reviews as positive or negative
- Applied Natural Language Processing (NLP) techniques to extract sentiment from review text
- Conducted Exploratory Data Analysis (EDA) to uncover trends and customer concerns

PenangPropInsight: ML-Powered Property Investment Analysis in Penang ([Link](#)) Mar 2025

- Leverage machine learning to uncover trends and predict property value shifts
- Analyzed historical and current real estate data specific to Penang
- Trained machine learning models to predict property price trends and ROI
- Visualized real estate hot spots, high ROI zones, and undervalued property areas
- Assist potential property buyers in Penang, Malaysia, with data-driven investment decisions

AWARDS & ACHIEVEMENTS

IREx Invention, Innovation & Design (IID) Silver Award Merbok, Kedah, Malaysia
Participants of IREx 2024, Jun 2024

- Participated in IREx 2024 with a group project “MyPredictC”: Covid-19 Prediction
- Developed a dashboard using Microsoft Power BI that identifies high-risk areas, analyzes cluster trends, and monitors total cases from 2023 to 2024
- Demonstrates innovative use of data analytics in health crisis management

MyHCI-UX Student Design Competition (Development Category) Silver Award Remote
Participants of my HCI-UX Feb 2024

- Participated in my HCI-UX to showcase a mobile application design for a project titled “Kiosk Prihatin”
- Achieved silver award in the development category

- Demonstrated innovative design skills and creativity

CERTIFICATIONS

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| • DD Database Design Learner - Oracle (Link) | May 2023 |
| • Database Programming with SQL - Oracle (Link) | May 2023 |
| • 5G Pioneers Program - Ericsson Telecommunications (Link) | Feb 2023 |
| • Introduction to Data Science in Python - Data Camp (Link) | Aug 2024 |
| • Enterprise Design Thinking Practitioner - IBM (Link) | Oct 2024 |
| • Watsonx.ai Technical Essential - IBM (Link) | Oct 2024 |

SPOKEN LANGUAGES

Languages: Fluent in Malay and English (able to write & speak formally and informally)

REFERENCES

Dr. Zanariah Binti Idrus,
Senior Lecturer & FYP Supervisor,
Pengkomputeran, Informatik & Matematik,
UiTM Kampus Sungai Petani,
zanaidrus@uitm.edu.my,