

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
<ul style="list-style-type: none">Designed and developed a web-based system to showcase the prediction systemDevelop a prediction model to predict heart disease using the Jupyter NotebookFacilitates early detection and prevention of heart diseaseLeverages machine learning algorithms to improve prediction accuracyAchieved an accuracy of 84% for the prediction model	
MyPredictC - Analyzing COVID-19 Clusters in Malaysia (2020-2023) (Link)	Dec 2023
<ul style="list-style-type: none">Developed a dashboard to identify high-risk areas using Microsoft Power BIPerforms ETL to examine trends in cluster size, duration, and locationTrack active periods and total cases within clustersSet a precedent for data-driven, localized pandemic management globally	
CareTweet: Suicidal Tweet Detection on X (formerly Twitter) (Link)	Nov 2024
<ul style="list-style-type: none">Develop a machine-learning model to detect suicidal ideation in tweetsUtilized Natural Language Processing (NLP) techniques in Python to analyze social media textDeveloped a full-stack web application to showcase suicidal ideationProvide insights into how language patterns indicate distress and suicidal thoughtsContribute 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
<ul style="list-style-type: none">Analyze customer reviews to help businesses understand feedback and improve productsEnhance customer satisfaction through data-driven insightsDeveloped a machine learning model to classify reviews as positive or negativeApplied Natural Language Processing (NLP) techniques to extract sentiment from review textConducted Exploratory Data Analysis (EDA) to uncover trends and customer concerns	
PenangPropInsight: ML-Powered Property Investment Analysis in Penang (Link)	Mar 2025
<ul style="list-style-type: none">Leverage machine learning to uncover trends and predict property value shiftsAnalyzed historical and current real estate data specific to PenangTrained machine learning models to predict property price trends and ROIVisualized real estate hot spots, high ROI zones, and undervalued property areasAssist 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
<ul style="list-style-type: none">Participated in IREx 2024 with a group project “MyPredictC”: Covid-19 PredictionDeveloped a dashboard using Microsoft Power BI that identifies high-risk areas, analyzes cluster trends, and monitors total cases from 2023 to 2024Demonstrates 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
<ul style="list-style-type: none">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

• 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,
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