DANIYAL ROSLI

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SUMMARY

First-Class Honours graduate in Intelligent Systems Engineering from UiTM, currently working as a Product Development Engineer I at AMD. Skilled in Python, SQL, and data visualization tools such as Power BI and Tableau, I specialize in developing data-driven solutions and have a proven track record in predictive analytics and machine learning projects. I excel at transforming complex data into actionable insights and am dedicated to applying my technical and analytical expertise to drive innovation and solve industrial challenges.

EDUCATION

UNIVERSITI TEKNOLOGI MARA(UiTM)   Merbok,Kedah,Malaysia
Bachelor of Information Systems (Hons.) Intelligent System Engineering   2023-2025
Cumulative CGPA: 3.59/4.0 (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

WORK EXPERIENCES

ADVANCED MICRO DEVICES (AMD) GLOBAL SERVICES SDN BHD   Bayan Lepas, Penang
Product Development Engineer 1   Sep 2025 - Present
- Analyzing supply-demand forecasts and product readiness across multiple semiconductor programs
- Automated and streamlined product tracking and reporting workflows, cutting manual processing time by 25% and increasing reporting efficiency
- Leveraged Power BI, SQL, and advanced Excel to track inventory health, capacity plans, and key operational KPIs to support production strategy
- Identified process inefficiencies and recommended improvements, contributing to better forecast accuracy and more efficient material planning
- Supported successful new product introduction (NPI) cycles by contributing to launch readiness planning and facilitating a smooth transition to high-volume manufacturing
- Developed a Power BI dashboard that supports automated reporting, enhances data visibility, and enables faster, data-driven decisions for engineering teams.

ADVANCED MICRO DEVICES (AMD) GLOBAL SERVICES SDN BHD   Bayan Lepas, Penang
Data Analyst Software Engineer Intern,   Mac 2025 - Sep 2025
- 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

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

HIGHLIGHTED 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

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

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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