

Natasya Nadhira Binti Ahmad Nazrain

COMPUTER SCIENCE - DATA ANALYST - DATA ENGINEER

Bandar Baru Bangi, Selangor

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Professional Summary

Computer Science graduate from Universiti Teknologi Malaysia with expertise in data analytics, data engineering, and DevOps. Proficient in tools such as Tableau, Power BI, and advanced Excel, with a strong passion for statistics and problem-solving. Currently training AI models in mathematical concepts and Python at Outlier AI, leveraging analytical skills to enhance machine learning models. Committed to applying technical expertise and statistical insights to drive data-driven decision-making and contribute to market analysis and economic studies.

Education

Universiti Teknologi Malaysia (UTM)

Bachelor Of Computer Science (Graphics And Multimedia Software) With Honours

- CGPA: 3.90 (Dean List each semester)

Skudai, Johor

Oct 2020 - Aug 2024

Work Experiences

Outlier AI

AI Trainer for Math and Python (Freelance)

- Accomplished the development of high-quality AI training materials as measured by improved model accuracy and response quality, by creating complex mathematical prompts in Calculus and Python for AI models to solve and evaluate
- Achieved recognition for consistent high-quality task production as measured by being entrusted to review other taskers' work, by consistently delivering accurate and well-structured tasks that met or exceeded quality standards.
- Technical Skills:** Python, AI Prompting
- Soft Skills:** Problem-solving, Critical Thinking, Time Management

Remote

Aug 2024 - Present

Tresdata Sdn Bhd

Data Engineer Intern

- Streamlined data remediation tracking for the GIS team as measured by a 30% reduction in reporting time, by centralizing QA data remediation results into a unified data pipeline across four states.
- Improved project transparency and decision-making as measured by positive feedback from project managers, by developing a data visualization website to track remediation progress.
- Optimized HR efficiency as measured by an 83% reduction in processing time, by automating the CV conversion process using Python, cutting down time from 30 minutes to 5 minutes per CV.
- Technical Skills:** Python, Airflow, PostgreSQL, Docker, Metabase, RESTful API, Laravel, PHP, JavaScript
- Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Kota Damansara, Selangor

Sept 2023 - Feb 2024

Projects

Marker-Based Augmented Reality Grocery Shopping Assistant With Automated Route

Optimisation for Shopping List

Final Year Project

- Developed an innovative solution combining Augmented Reality (AR) and Artificial Intelligence (AI) to generate the most optimized shopping route based on a user's grocery list.
- Implemented pathfinding algorithms to calculate efficient routes, reducing shopping time and improving user experience.
- Technical Skills:** Unity, ARCore, RESTful API, FastAPI, BERT, Natural Language Processing (NLP), Pathfinding Algorithm

Hosting Minecraft Server on Oracle's VPS

Personal Project

- Deployed and maintained a publicly accessible Minecraft server hosted on Oracle's Virtual Private Server (VPS).
- Configured a reverse proxy using NGINX to efficiently route traffic and manage public IP addresses, enhancing server accessibility and security.
- Technical Skills:** NGINX Reverse Proxy, Deployment to Cloud Server, Docker, DNS and Firewall Configuration.

Technical Skills

Languages	Python, C/C++, C#, JavaScript/HTML/CSS, SQL
Framework & Libraries	Node.js, Laravel, PostgreSQL, Astro, Hugo, Three.js, OpenCV, OpenGL
DevOps & Cloud	Git, Linux, Docker, Firebase, Azure Cloud, Oracle Cloud
Big Data & BI Tools	Apache Airflow, Metabase, PowerBI, Tableau, PostgreSQL
Productivity	Microsoft Excel, Microsoft Words, Microsoft PowerPoint, Canva, DaVinci Resolve