

AUNG ZAR NI MIN

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EDUCATION

National University of Singapore

Aug 2023 to Jun 2027

- Bachelor of Science in Data Science and Analytics (Hons) and Minor in Computer Science
- Completed Student Exchange Program at University of Washington, Seattle, United States of America
- Current CGPA: 4.23/5.00

EXPERIENCE

Data Science Intern (AI Engineering), RSM Singapore

Aug 2026 to Jan 2027

- Migrated a LangChain/LangGraph-based RAG chatbot's hardcoded prompts into a MLflow Prompt Registry, making prompt changes revertible and auditable without a FastAPI service redeploy
- Conducted comprehensive post-UAT analysis of chatbot, analyzing feedback from over 200 test cases across 30 users
- Ran a systematic UAT triage process across 15 MLflow prompt registry versions, diagnosing and fixing failure modes in chatbot's LangGraph RAG response generation (backed by Qdrant vector retrieval and Azure OpenAI)
- Fixed a citation-integrity bug in a LangGraph RAG pipeline by grounding citations with source document filenames threaded through the retrieval nodes and hardening anti-truncation rules
- Improved response formatting reliability in the LangChain-driven prompt logic through extensive prompt engineering

Applied Intelligence Intern, Income Insurance Limited

May 2026 to Jul 2026

- Leveraged Python, SQL and Tableau to conduct an end-to-end analytical review of a production Fraud, Waste & Abuse (FWA) engine, evaluating 18 leakage hypotheses across different risk categories for IncomeShield claims
- Delivered findings across model performance, operational efficiency gaps, output characterizations, and hypothesis enhancement proposals to claims management stakeholders
- Designed and implemented a Python fraud detection enhancement on AWS, applying updated billing rules, regex-based parsing, and dataset joining to reduce false-positive flag rates, validated against internal testing data
- Discovered and communicated \$14.4 Million in missed savings from approved but not attempted fraud flags with the help of Tableau FIXED-LOD aggregation, correcting initial estimates caused by row-level duplication

IT Process Analyst Intern, Shiseido Asia Pacific

May 2025 to Aug 2025

- Queried and analyzed regional IT process data using SQL against SAP systems to identify workflow inefficiencies, producing Power BI dashboards that informed infrastructure optimization decisions across the company
- Monitored Azure virtual machine and server infrastructure performance metrics, building reports that identified redundant expenditure and drove reduction in infrastructure costs across the Asia Pacific Region by as much as 40%
- Leveraged various regression models via Python to perform predictive analysis on key network data

PROJECTS

Second place, National AI Student Challenge 2026 Micron Track

Mar 2026 to May 2026

- Built and containerized a full-stack semiconductor equipment log analysis platform that auto detects and parses 8 log formats from multi-vendor fab tools, normalizing them into a unified schema for structured analytics

Winner, National University of Singapore and Champions Group Datathon 2026

Jan 2026 to Feb 2026

- Architected a fully functional end-to-end AI-driven company intelligence system, using Python and Mistral-7B-Instruct-v0.2, that generates key business insights across 8500 firms, providing users with high-level peer benchmarking and decision-ready information

SKILLS

- **Programming Languages:** Python, R, Java, JavaScript, TypeScript, HTML, SQL, Dart
- **Data Analysis and Visualization:** Power BI, Tableau, Excel, Pandas, NumPy, Matplotlib, ggplot2, tidyverse
- **Machine Learning:** Scikit-learn, TensorFlow, MLflow
- **App Development:** React, Node.js, Expo Go, Flask, Docker, FastAPI, Flutter, AWS, MongoDB, Qdrant