

Kanishka Wickramasinghe

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EDUCATION

Monash University

Mar 2020 – Nov 2024

- Bachelor of Commerce (Finance) and Computer Science (Data Science)
- Relevant Coursework: Data Structures & Algorithms, Databases, Object-Oriented Programming

University of California, Berkeley

Jun 2023 – Jul 2023

- Exchange Semester at the Haas School of Business
- Pitched an AI career counsellor startup for high school students, awarded a top score (98/100)

EXPERIENCE

Newmont

Feb 2025 – Present

Data Scientist

- Re-engineered legacy MATLAB models into a modular Python codebase, cutting \$10K+ in annual licensing costs and improving maintainability for future engineers
- Deployed end-to-end viscosity and flow-rate prediction services on Azure ML with containerisation, version control, and model-performance monitoring for the Lihir mine in Papua New Guinea
- Authored comprehensive design documentation for the Lihir gold ore optimisation and simulation project to support knowledge transfer across engineering teams

Jetstar Airways

Jul 2023 – Dec 2023

Data Science Intern

- Collaborated with the data engineering team to integrate core datasets from Snowflake into Alation, building a unified data catalog to enhance discoverability and governance across Jetstar
- Automated SQL-based analytics and Power BI dashboards to monitor platform engagement across 200+ users, improving visibility of data usage and quality
- Built a predictive model to identify flights likely to carry Taylor Swift fans, enabling an external news partner to locate and interview passengers

KPMG

Nov 2022 – Feb 2023

Data Analyst Intern

- Built a Python-based pricing model using scikit-learn and pandas to improve pet food pricing accuracy by 23% from competitor data

PROJECTS

AI Hack 2023 – Decode NDIS | ReactJS, Flask, GPT-4 Vision, LangChain | [GitHub](#)

- Won 2nd place at AI Hack 2023 out of 34 teams
- Engineered an AI web application that parses disability support invoices using OCR and GPT-4 Vision, automatically mapping items to National Disability Insurance Scheme (NDIS) billing codes

Fine-Tuning NLLB for English ↔ Sinhalese Translation | Python, PyTorch, Hugging Face | [GitHub](#)

- Developed and fine-tuned a bilingual transformer model for English ↔ Sinhalese translation, addressing limited tooling for this low-resource language

TECHNOLOGIES

- **Languages:** Python, SQL, Java, JavaScript (ReactJS), R
- **Frameworks & Tools:** Flask, Azure ML, LangChain, Hugging Face, Docker, pandas
- **Other:** Git, Linux, MATLAB, Power BI