

# Travis Ang

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My Personal Website



[View my projects in detail](#)

## PROFESSIONAL SUMMARY

Motivated undergraduate pursuing a Data Science internship, with practical experience in analyzing and visualizing datasets from Kaggle. Brings a strong foundation in web and mobile development, including hands-on experience with Node.js, and a genuine passion for data science and AI. Enthusiastic about learning new tools and leveraging data to transform ideas into actionable, meaningful insights.

## SKILLS

Pandas  
SQL  
Numpy

Pytorch  
Data Bricks  
Next JS

Expo  
Microsoft Suite  
Data Analysis

## PROJECTS

### NAISC Singtel Data Drift Detection and Mitigation Framework

Jan 2026

Led development of a drift-aware ML pipeline predicting Singtel customer churn, combining seven-strategy sample reweighting, iterative pseudo-labeling, and a full Streamlit analytics dashboard. Engineered a two-axis drift detection system across KS, PSI, CBDT, and MMD tests to correct for distribution shift between training and deployment. ( <https://www.travisang.com/hackathons/naisc-2026-singtel-churn> )

### IRIS - AI Voice Personal Assistant

Jan 2026

Built a fully agentic voice AI assistant powered by a custom LangGraph planner/responder architecture, enabling multi-step reasoning and natural spoken responses in a single fluid turn. Integrated 7 real-world tool domains backed by ChromaDB long-term memory for persistent personalisation. ( <https://www.travisang.com/projects/iris-ai-assistant> )

### NUS Maritime Hackathon DataBricks Dashboard

Jan 2026

Led development of a Databricks dashboard optimizing maritime trip routing across cost, CO<sub>2</sub> emissions, and time — delivering actionable, data-driven insights. Engineered 150+ lines of production-quality SQL, integrating multiple datasets into a unified analytics pipeline. ( <https://www.travisang.com/hackathons/nus-maritime-hackathon-2026> )

### Drone & Camera Inventory Tracking Telegram Bot

Aug 2024

Streamlined inventory tracking for the entire unit by building a Telegram bot to monitor deployment and functionality of drones and camera equipment. Automated updates and centralized records using Python and Google Sheets, saving time, reducing errors, and improving operational efficiency. ( <https://www.travisang.com/projects/military-stores-telegram-bot> )

## EXPERIENCE

### Tuition Teacher

Mindflex Tuition Academy ( Jan 2025 - Jul 2025 )

- Created lesson plans tailored to individual student needs, focusing on key concepts and topics in need of improvement.
- Implemented behavior management techniques when necessary to maintain an optimal learning environment.

### Platoon Sergeant

Singapore Armed Forces ( Jan 2023 - Nov 2024 )

- Led a 20-person platoon in operating drones and setting up surveillance
- Contributed to high-profile events including Singapore National Day celebrations.

## EDUCATION

### Bachelors in Data Science and AI

Nanyang Technological University, Expected graduation April 2029

### Cambridge A Levels

Jurong Pioneer Junior College , November 2022

### Cambridge O Levels

Hua Yi Secondary School , November 2019

## CERTIFICATIONS

### Machine Learning Specialization

DeepLearning.AI , May 2025

### Mircosoft Excel Specialization

Microsoft, May 2025

### Python for Data Science and AI

IBM, May 2025

### Databricks AI/BI For Data Analyst

Databricks, Jan 2026

## AWARDS

- Brain-Hack TIL Certificate of Participation
- EAGLES Award 2020
- NUS Maritime Hackathon Certificate of Merit