

# Sean Kevin Dias

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## Education

### National University of Singapore

Aug 2023 – Dec 2026

Bachelor of Computing in Computer Science, Minor in Quantitative Finance

## Experience

### Global Transaction Banking, Digital Solutions Intern, OCBC

May 2025 – August 2025

- Supported end-to-end rollout of a tokenised-deposits product: assisted UAT planning/execution (**designed and ran 163 test cases**), maintained GTM docs, coordinated defect triage, and aligned product/engineering/risk/ops to hit launch readiness.
- Built executive-level market landscaping and pitch decks targeting major government agencies and strategic enterprise accounts; insights shaped product positioning and were used in high-stake outreach and RFPs.
- Optimised internal intranet experience by mapping end-to-end journeys and service blueprints; **identified 10+ system inefficiencies** and proposed future-state flows adopted into solution design.
- Researched the digital-money space (CBDC, tokenised deposits) and delivered leadership/client briefings with actionable recommendations.

### ML/AI Engineer, Gotrade Indonesia

May 2024 – August 2024

- Developed a financial summary model using Python, OpenAI API, Neo4j, and tokenization; combined graph analytics with LLM text processing to generate comparative metrics and achieve **>60% LTST accuracy**.
- Cleaned and preprocessed large-scale financial datasets (pandas, NumPy), improving data quality by **30%** and reducing model error by **20%**.
- Researched and prototyped on Azure ML and Devin to assess feasibility, selecting the most effective AI solution for deployment.

### Data Science Intern, Dkatalis / PT Bank Jago tbk, Singapore

Jan 2023 - June 2023

- Executed advanced data extraction to enhance KYC identification efforts using **SQL and Python**.
- Co-developed machine learning models (e.g., **Logistic Regression, Random Forest, XGBoost**) to predict customer engagement propensity
- Integrated containerization and deployment (via **Docker** and **Kubernetes**), enabling scalable testing of ML models and rapid iteration during development. **Utilized Postman** to validate API endpoints and verify data integrity, ensuring robust end-to-end model performance.

## Projects

- EZSTATE (NUS CS2103T) — Full-Stack Developer**, Aug–Nov 2024: Built a CLI property-agent app (Java/JavaFX); raised Codecov coverage +20% via boundary tests; shipped User/Dev Guides (GitHub Pages/Jekyll) and CI/CD (GitHub Actions).
- hackjakarta (Grab x AngelHack) — 2nd Place, Social Responsibility (2024)**: “GrabRescue” optimized ambulance dispatch with real-time routing (OpenAI API, Google Maps API, Python); React prototype with driver push notifications.

## Skills

- Programming languages**: Python, JavaScript, Java, SQL
- Data/ML**: cleaning & preprocessing, feature engineering, modeling, statistical analysis, visualization, optimization
- Stack & tools**: React, Node.js, Flask, Figma, Git/GitHub, Docker, Kubernetes