

Kim Pham

kimduong.pham03@gmail.com • (+61) 414196819 • [LinkedIn](#) • [GitHub](#)

SUMMARY

Data Science graduate with a strong academic background and experience in software development, database design, and data pipeline development. Strong foundation in SQL, Python, JavaScript, TypeScript, Machine Learning, Agentic AI and cloud technologies, along with experience working in a fast-paced startup environment. Seeking to leverage technical knowledge and passion for software engineering to contribute to innovative initiatives.

EDUCATION

Swinburne University of Technology

B.S. in Computer Science, Data Science

Dec 2024

Hawthorn, VIC

GPA: 3.7/4.0 (**WAM:** 83)

Honors: Swinburne International Excellence Scholarship - 50% tuition fee

Relevant Courses: Introduction to Machine Learning, Intelligent Systems, Data Structures and Patterns, Object-Oriented Programming, Cloud Computing Architecture

TECHNICAL SKILLS

Languages: Python, SQL, C#, JavaScript, TypeScript

Tools & technologies: Docker, Git, Azure, Tailwind, Figma, Prisma, tRPC, NextJS, ReactJS, Vercel, Cursor, Claude Code

EXPERIENCE

Software Development Intern

Innovation Nexus

Jan 2025 - March 2025

Melbourne, VIC

- Modeled and optimized databases using **Prisma ORM**, improving query performance and enabling scalable API integration.
- Supported backend development with **FastAPI**, enhancing data validation and type safety across endpoints.
- Collaborated on schema migrations and performance tuning, contributing to production data reliability and system scalability.
- Utilized **GitHub**, **Docker**, and **Postman** for version control, containerization, and API testing.
- Wrote and reviewed unit tests to ensure data consistency across endpoints and migrations.

PROJECTS

AI Website Generator | NextJS, Prisma, Tailwind, Inngest, E2B, Vercel

- Built an AI-powered, fully responsive platform that automatically generates complete websites from user prompts using **OpenAI API**.
- Integrated **E2B** for real-time code execution and live demo, and Inngest for asynchronous processing and observability, enabling secure code compilation.
- Full-stack development using **NextJS** with **PrismaORM** for database management, Tailwind for styling, and Vercel for deployment, creating a seamless user experience from prompt to live website.

Restaurant Recommendation System | Python, ReactJS, FastAPI, Firebase

- Performed data collection, preprocessing, and exploratory data analysis from web scraping using **Python**, Google API, and public data.
- Developed a content-based filtering recommender system, leveraging word-2-vec, TF-IDF, and NER models.

- Developed a user-friendly UI using **ReactJS** and **Tailwind** for front-end, **FastAPI**, and **Firebase** for back-end.

Blockchain Data Visualization Platform| Python, React, Neo4j, FastAPI

- Designed and built a full-stack data visualization platform with **Neo4j** graph database for complex blockchain data relationships and query optimization.
- Developed responsive frontend with **ReactJS** and **D3.js** for interactive data visualizations and real-time updates.
- Implemented an efficient **FastAPI backend** with optimized database queries, supporting concurrent users and real-time data processing

EXTRACURRICULARS

Business Development Manager

Oct 2023 - June 2024

AIIESEC at RMIT

Melbourne, VIC

- **Led a team of 8 members**, secured **\$1000 in funding and 12 in-kind sponsorships** for the flagship event, ChangeMakers Academy, which attracted over 100 participants, achieving a **100% increase** compared to the previous term.

COMPETITIONS

Top 3 finalists, Beginner Track | MedHack 2025

February. 2025

- Handled over **9 million** simulated vital sign records and built **XGBoost, 1D-CNN, and DNN** models to predict patients' state of crisis, reaching an accuracy of **97%** by **optimizing time series features**.

CERTIFICATES

- **Google Data Analytics Specialization** **December. 2023**
- **Hackerrank Intermediate SQL** **December. 2023**
- **Huggingface AI Agents Course Certificate** **April. 2025**