PHUONG ANH PHAM

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EDUCATION

University of Technology Sydney   Feb 2023 – Dec 2024
                                                                      Sydney, Australia
- Master of Data Science and Innovation. **GPA: 6.15/7.0**
- Ranked Top 36 globally in Data Science (QS World University)
- **Postgraduate Academic Excellence International Scholarship**

Academy of Policy and Development   2018 – 2022
                                                                      Ha Noi, Vietnam
- Bachelor of International Economics (Honor Programs). **GPA: 3.69/4**
- 3-time recipient of the Faculty's **Outstanding Student Scholarship**

KEY SKILLS

Data Visualization	Tableau, Power BI, Excel, Plotly, Matplotlib, Seaborn
Programming & Database	SQL, Python, PostgreSQL, Snowflake, DBeaver
Machine Learning	Classification, Regression, Deep Learning
Big Data & Cloud Technologies	Apache Spark, Airflow, dbt Cloud, Microsoft Azure

WORK EXPERIENCE

Data Scientist | Data Analyst (Team Project Work) – University of Technology Sydney

Deep Learning system for Melanoma diagnosis. Github   Aug 2024 – Nov 2024
- Developed an **AI tool** with Streamlit interface for **early Melanoma detection** using deep learning and medical imaging.
- Collected and combined **10,000+ medical images** from multiple databases with different schemas.
- Work closely with teammates to engineer CNN models, achieving **90% accuracy** on the skin lesion dataset.

Machine Learning for Transaction Analysis. **Github**   Apr 2024 – May 2024
- Cleaned and processed **4.2 million transactions** to optimize **data pipelines.**
- Designed and deployed **fraud detection models** achieving **99.7% accuracy**, which helps **reduce operational costs** and improve customer experience.

MISA JSC. Intern   Jan 2022 – June 2022
- Work closely with cross-functional teams to design **data-driven solutions**, while **maintaining close communication with clients.**
- Developed dashboards in **Power BI** to track business KPIs and optimize decision-making.

PROJECTS

AutoCleanAI – AI-Powered Data Preprocessing Tool. https://github.com/phuonganh-38/AutoClean-tool   Mar 2025
App: **https://autoclean-tool.streamlit.app/**
- Developed an **AI tool** to automate tasks using Python, Streamlit, Scikit-learn, Pandas, and Plotly
- Implemented **Isolation Forest** for advanced anomaly detection, improving data quality.
- **Reduced data preprocessing time by 80%**, increasing workflow efficiency for analysts.

ELT Data Pipeline for Airbnb Analytics. https://github.com/phuonganh-38/airbnb-elt-pipeline   Nov 2024
- Designed an **ELT pipeline** processing **1TB+ of data** using **Apache Spark, Python, SQL, dbt Cloud, GCP and Airflow**.
- Optimized **data transformation and orchestration**, improved **real-time analytics,** and reduced processing time by **40%**.

Data Processing and Analysis of New York taxi. https://github.com/phuonganh-38/nyc-taxi-data-analysis   Oct 2024
- Processed **800 million rows** of taxi trip data, optimizing data pipelines using **Azure, Databricks, Apache Spark**.
- Achieved **45% faster processing**, uncovering valuable insights into ridership patterns.

Rental Market Trend Analysis. https://github.com/phuonganh-38/rental_market_trend_analysis   Sep 2024
- Led end-to-end analysis of rental market trends by scraping data using **Selenium**.
- Utilized data visualization techniques to present findings, improving stakeholders' ability to make data-driven decisions and adjust to market changes quickly.

CERTIFICATIONS

- **Tableau Certified Data Analyst**   Jan 2025
- **Microsoft Certified: Power BI Data Analyst Associate**   August 2025
- **IBM Data Analyst Specialization**   July 2025
- **IBM Data Science Specialization**   July 2025
- **IBM NoSQL, Big Data, and Spark Foundations**   July 2025