

VO DUC MANH

Data Analyst

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An International Economics student at Foreign Trade University with a solid foundation in economics and programming (C++, Python). Proficient in Power BI, SQL, data optimization techniques, and artificial intelligence, including Machine Learning predictive models. Experienced in database management, data integration, and system optimization. With sharp analytical thinking, strong problem-solving skills, and a continuous learning mindset, I aspire to contribute to the field of data analytics to address real-world challenges.

EDUCATION

Foreign Trade University (FTU)

Specialization: International Economic | CPA: 3.83/4.0

Ha Noi, Viet Nam

08/2024 - nay

Vinh University Gifted High School

Specialization: Computer Science | GPA (Grade 12): 9.3/10

Nghe An, Viet Nam

08/2021 - 07/2024

SKILLS

- English: IELTS 7.0 Overall
- Programming: C++, Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn), SQL
- Data: SQL Database Management, Microsoft Power BI, Data Integration, Artificial Intelligence (AI) Application, Machine Learning Modeling
- Office Software: Word, Excel, PowerPoint, Access
- Core Competencies: Strong logical thinking, Professional Data Storytelling, proactive learner, growth mindset

ACHIEVEMENTS & CERTIFICATES

- **The Quant Finance Explorer Program '24** – Issued by WorldQuant
- **Predictive Modeling & Application Professional Certificate** – Issued by MindX
- **Business Intelligence & Automated EDA Assistant Certificate** – Issued by MindX
- **Data for Everyone Certification** – Issued by MindX
- **Official IELTS Academic Certificate** – Overall Band 7.0
- **Third Prize at the Provincial Level in Computer Science** (Academic Year 2023–2024)

PROJECTS

Credit Card Fraud Detection & Prediction

March 2026 - April 2026

- Engineered an end-to-end artificial intelligence detection framework utilizing complex Machine Learning algorithms including SMOTE for class imbalance, Isolation Forest, and an integrated Ensemble Model (Logistic Regression + Random Forest + Gradient Boosting) to identify fraudulent transactions.
- Evaluated model performance via Precision, Recall, and F1-score across various thresholds, selecting the optimal balanced threshold.
- Uncovered deep structural patterns highlighting a **0.172%** global fraud rate, a critical risk window between **2:00 AM – 4:00 AM**, and an average transaction differential where fraudulent activity exceeded legitimate transactions by **\$34 per event**.
- **Technology:** Python

Car Dealership Revenue Analysis

November 2025 - December 2025

- Built a Power BI dashboard analyzing car sales data, covering over **\$371M** in revenue and **13,000+** transactions, enabling data-driven decision-making.
- Evaluated business performance at company level, distinguishing between high-volume pricing and premium pricing strategies.
- Analyzed pricing trends and assessed demand-driven price fluctuations; translated data into actionable business decisions on pricing strategy, product mix, and regional optimization.
- **Technology:** SQL, Power BI | **GitHub:** [Link](#)

Global AI Job Market & Salary Trends Analysis

February 2026

- Built a Power BI dashboard analyzing the AI job market using a real-world dataset about **15,000 records**, providing insights into salary trends, skill demand, and hiring patterns.
- Identified cross-industry AI adoption trends beyond tech, extending into Retail, Media, and Automotive sectors.
- Conducted multi-dimensional analysis (skills, geography, company size, job type) to support data-driven hiring and career decisions. Transformed raw data into valuable business insights identifying key market demand drivers.
- **Technology:** SQL, Power BI | **GitHub:** [Link](#)