

VO DUC MANH

26 Lane 157 Chua Lang St, Lang Thuong, Dong Da, Hanoi
(+84) 973489446 | (+84) 918935568 | vomanh6a@gmail.com

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

Ha Noi, Viet Nam

08/2024 - Present

Vinh University Gifted High School

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

Nghe An, Viet Nam

08/2021 - 07/2024

SKILL

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- English: IELTS 7.0 Overall
 - Programming: C++, Python (pandas, numpy, scikit-learn, matplotlib, seaborn), SQL, NoSQL
 - Data: SQL, Microsoft Power BI, Python; Artificial Intelligence (AI) & Machine Learning
 - Office Software: Word, Excel, PowerPoint, Access
 - Soft Skills: Strong logical thinking, storytelling, proactive learner, growth mindset

ACHIEVEMENTS & CERTIFICATES

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- WorldQuant Certificate – The Quant Finance Explorer Program '24
 - MindX Certificate – Data for Everyone
 - MindX Certificate – Business Intelligence & Automated EDA Assistant
 - MindX Certificate – Predictive Modeling & Application
 - IELTS Certificate: Overall Band 7.0
 - Provincial Computer Science Team Member (Academic Year 2023–2024)

PROJECTS

Credit Card Fraud Detection & Prediction (2023)

- Developed AI models using SMOTE, Isolation Forest, and an Ensemble of Logistic Regression + Random Forest + Gradient Boosting to predict fraudulent transactions.
- Evaluated model performance via Precision, Recall, and F1-score across various thresholds, selecting the optimal balanced threshold.
- Analyzed and detected differences in fraud rate, time patterns, and transaction amounts between normal and fraudulent transactions.
- **Technology:** Python

Car Dealership Revenue Analysis (2022–2023)

- 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 (2025)

- Built a Power BI dashboard analyzing the AI job market using a real-world dataset (~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](#)