# TRUONG THAO VY

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## Intern AI Engineer

## SUMMARY

A motivated college student with a strong background in business analytics, data science, AI/ML and problem solving. Always ready to take on challenges with a strong work ethic, analytical mindset and creative approach. Desire to contribute to a dynamic organization where data is the driving force and continuous learning and innovation are highly valued.

## EXPERIENCE IN LEARNING

**Credit Card Fraud Detection Using Machine Learning | Leader**
- Build LightGBM model, achieve Accuracy ~99.7%, AUC ~0.9995.
- Apply SMOTE to handle 1:100 data imbalance.
- Analyze behavior, detect fraud in large transactions and high-risk industries.
- Support banks to minimize risks and improve security.

**YouTube Trend Forecasting with AI Agent | Leader**

- Apply Deep Learning (LSTM, CNN-LSTM) to forecast YouTube trends, exploiting temporal and textual features, for higher accuracy than traditional ML.
- Deploy AI Agents (n8n, CrewAI) to automate the pipeline (collection → preprocessing → analysis → forecasting), helping to reduce latency and update real-time.
- Supported content strategy, reduced analysis time, and enabled data-driven decision-making

**Social Media Posting Trend Prediction | Member**

- Analyzed user engagement data from Facebook and Instagram to predict optimal posting times and content trends
- Designed a Topic Modeling pipeline for Vietnamese text using PhoBERT, UMAP, KMeans, CountVectorizer, and c-TF-IDF
- Optimized the number of clusters, fine-tuned hyperparameters, and evaluated the model to improve analysis accuracy

## EDUCATION

Expected Graduation [2026].
Digital Transformation & Artificial Intelligence.
University of Economics and Laws (VNU-HCM)

## SKILLS

- **Technical Skills:** SQL, GitHub, Python,Azure, n8n, MOS Office.
- **Languages:** English
- **Design Platforms:** Figma, Canva, Power BI.
- **Soft Skills:** Time Management, Teamwork, Communication, Presentation.