Lê Thị Ngọc Khánh

DATA ANALYST

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📍 230, Mễ Trì Thượng, Mễ Trì, Nam Từ Liêm, Hà Nội

EDUCATION

Hanoi University of Science and Technology   07/2019 - now

Major in Management Information Systems

Graduated with a Bachelor's degree in Management Information Systems
Cumulative Grade Point Average (CPA): 3.76

EXPERIENCE

CODEE   03/2023 - now

Data Analyst Intern

Participated in the construction and development of the Data Analysis and Business Reporting system
Description:
- Developed data extraction and aggregation processes using SQL
- Contributed to proposals for system functionality and interface upgrades
- Designed Key Performance Indicators (KPIs) for several system functions
- Conducted product acceptance testing and periodic reviews

Hanoi University of Science and Technology   03/ 2022 - 08/2023

1.Bachelor's Thesis

Topic: Combining Deep Learning Models for Sentiment Analysis of Vietnamese Stock News.
Description:
- Data crawling of financial and stock news from various websites
- Utilized a combination of deep learning models including PhoBERT, BiLSTM, and the Global Context mechanism for sentiment classification of stock news

2.Participation in Scientific Research

Topic: Application of Machine Learning in Fraud Detection in the Vietnamese Securities Market.
Description:
- Data crawling of financial and stock news from various websites.
- Employed the PhoBERT model for sentiment analysis of stock news data
- Utilized the SVM algorithm combined with the SMOTE technique to address data imbalance and applied this model for fraud detection in the securities market using financial indicators and sentiment analysis data from news

Personal Projects   07/ 2019 - 03/2023

1. Financial Fraud Data Outlier Detection Application

Description: Built an outlier detection model using various algorithms including HDBSCAN, Isolation Forest, Local Outlier Factor, and SVM, tested on an audit dataset.
GitHub: https://github.com/NgocKhanh29201/Detect-finance-fraud.git

2. Visualization and Analysis of Banking Transactions Data

Description:
Conducted data preprocessing and data exploration using Python.
Loaded data into a MySQL database and built an OLAP data model, transferring data from OLTP to OLAP

Visualized data using Power BI with OLAP data from MySQL

Performed analysis across different data dimensions, offering insights and incorporating time-based analysis to observe trends and fluctuations

3. Human Resources and Payroll Management System

Description: Analyzed and designed a human resources and payroll management system

Conducted surveys and defined the system scope

Developed UML models including Usecase diagrams, Class diagrams, Sequence diagrams, and Activity diagrams

Detailed Report: https://bit.ly/3AADHZd

COLE.VN   06/ 2022 - 04/2023

Online Data Analysis Course Assistant

Online Level A Data Analysis Course Assistant, providing support to students in data analysis skills, including data mining, OLAP, OLTP, dimensional modeling, and data visualization

 Hands-on practice using Excel and MySQL tools

CERTIFICATIONS

Python For AI Developer, VTC Academy, 2022   2022-2024

SKILLS

English:	Reading and Understanding Specialized English Texts, Toeic: 700
Office Tools:	Excel, Word, PowerPoint, Power BI
Programming Languages:	C, C++, Python (Numpy, Pandas, Matplotlib, Scikit- learn, Pytorch, Tensorflow), SQL, R
Soft Skills:	Communication Skills, Teamwork, Research Abilities, Problem-Solving