



# Tran Quoc Bao

## Data Analyst

### ABOUT ME

I am a junior student at the Vietnam National University of Information and Technology. I have a strong passion for understanding how data drives insights and decision-making processes. With a keen interest in the field of data analysis, I am eager to expand my knowledge and skills in this domain. I hope to be a part of your team.

### CONTACT

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### EDUCATION

#### University of Information and Technology – VNU

- Bachelor of Information System  
2020–2024

#### Google Data Analyst Certificate Coursera.

#### Advanced SQL Certificate by Kaggle

### SKILLS

- MS Excel (VBA in writing Macros and VLOOKUP at basic level)
- MS Power BI (Visualization & Dashboard)
- Python (numpy, pandas, matplotlib, pytorch, selenium ...)
- Query Language (SQL, MySQL, Oracle...)

### PROJECTS

#### Analyzing the behavior of tenants in New York 2019 using KMean – a clustering algorithm.

- Data preprocessing with Python (drop empty, delete duplicate...)
- Apply KMeans algorithms for dataset and running process.
- Visualization their correlation with box-plot chart and show the clusters in map using python.

#### Building a data warehouse for dataset AB\_NYC\_2019 (Airbnb at New York City in 2019) using Visual Studio and SQL Server

- Building a snowflake schema for data warehouse.
- Prepare Server Integration Services and build data warehouse.
- Run and deploy data and its relationship to database.
- Using Analyst Services to make reports and data query by MDX.

#### Analysis of the habits shopping customers by using retails data from 10 different shopping malls between 2021 and 2023 in Istanbul (Turkey)

- Preprocessing data using Python (information about data, find empty cells, change datatype of columns, format columns name)
- Using excel to create a overall dashboard about this dataset.

#### Using ARIMA and Hybrid ARIMA & Random Walk Models (ARIMAR) to predict price of cryptocurrency (ADAUSDT) in Binance Exchange.

- Preprocessing dataset, drop useless columns and keep usable columns like OLHC and timeseries, find out the correlation attributes.
- Dataset is fetched by using API provided by Binance and save to csv file.
- Visualizing the predicted values and train data with matplotlib.

### LANGUAGES

English ● ● ● ● ●