



# Thu Hien Nguyen

Working Student / Intern in Data Analytics

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## EDUCATION

**University of Cologne - Master in Business Analytics & Econometrics** Oct 2025 – Oct 2027

- **Projects:** R and Python programming. Applied end-to-end data workflows, from pre-processing, exploratory analysis to statistical and predictive modelings, to deliver insights across projects (Youtube data analysis, Airbnb price prediction, Customer churn classification)
- **Coursework:** Programming for Data Analysis, Machine Learning and Artificial Intelligence

**National Economics University (Hanoi, Vietnam) - Bachelor in Finance & Banking** Sep 2016 – Jun 2020

- Distinction Degree – equivalent to 1.4 in German scale
- University Scientific Research - Consolation Prize
- 3 Academic Merit Scholarships

## WORK EXPERIENCE

**Fraud Risk Management Officer - Risk Management Division** Jun 2022 – Aug 2025

*MB Shinsei Consumer Credit Finance GmbH, Hanoi, Vietnam*

- Developed a fraud detection model for digital customers using Python. Collected and preprocessed data, defined target variables and evaluated Random Forest and XGBoost models with metrics including GINI and recall rate. Achieved a GINI of 0.42 and a recall rate of 30% with XGBoost
- Led the development of a fraud scoring system for direct sales using R, SQL, and Excel. Collected historical sales data, defined features to detect fraud patterns, built a statistical model that achieved a 40% detection rate
- Conducted automated data processing and reporting workflows to monitor fraud risk performance
- Received 1 company-wide distinction rating and 2 division-wide awards. Recognized for reliability, attention to detail, and a structured approach to work

**Reporting Specialist - Wholesale Banking Division** Jan 2021 – May 2022

*OceanBank GmbH, Hanoi, Vietnam*

- Created reports on measurement metrics of product lines and branch business performance
- Communicated with business stakeholders on clarifying their data requirements to tailor reports and assist the decision-making process

## SKILLS

### Technical Skills

- **Python and R:** Data Processing, Visualization, Statistical and Predictive Modeling
- **SQL:** Common Table Expressions (CTEs), Window Functions, Procedures
- **Excel:** Power Query, Pivot Tables, Charts

### Soft skills

- Attention to detail
- Willingness to learn & Curiosity mindset

### Language skills

- English: Professional working efficiency (C1)
- German: Elementary efficiency (A1)

## CERTIFICATE

- **DataCamp (2025):** Preprocessing for Machine Learning in Python, Machine Learning and Statistics in R
- **IBM (2023):** Database and SQL for Data Science with Python
- **Google (2023):** Google Data Analytics Certificate
- **HackerRank (2022):** SQL Advanced Certificate