

Lam Nguyen Thanh Thao

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EDUCATION

- **University of Technology Sydney** Sydney, Australia
Bachelor of Engineering in Data Science Engineering Feb 2023 - Jun 2023
- **VinUniversity** Hanoi, Vietnam
Bachelor of Business Administration. GPA: 3.57 Oct 2020 - Nov 2024

SKILLS SUMMARY

- **Technical Skills:** Python, SQL, Word, Excel
- **Data Science Framework:** Scikit-learn, Pandas, Matplotlib, Numpy, Seaborn
- **Soft Skills:** Written and Verbal Communication, Presentation, Problem Solving

RESEARCH EXPERIENCE

- **Data Science and Machine Intelligence (DSMI) Lab, UTS** Sydney, Australia
Undergraduate Researcher Mar 2023 - Present
 - Conducting the research project: "Sequential Pattern Mining for Customer Behavior Analysis" under the supervision of Professor Md Rafiqul Islam
- **Intelligent Computing and Image Processing (ICIP) Lab, HCMUS** Ho Chi Minh City, Vietnam
Undergraduate Researcher Mar 2018 - Mar 2019
 - Conducted the research project: "Application of Virtual Reality Technology in The Rehabilitation of Children with Cerebral Palsy" under the supervision of Professor Pham The Bao

PROFESSIONAL EXPERIENCE

- **UTS Consulting Club** Sydney, Australia
Consultant Feb 2023 - May 2023
 - Collaborated with a team of 5 consultants under the mentorship of PwC and Strategy& to develop a comprehensive growth plan for The Patch Remedy, a health and wellness company, to expand into global markets
- **Shopee** Ho Chi Minh City, Vietnam
Business Development Intern Jun 2022 - Aug 2022
 - Selected among 3,200 applicants, joined an apprentice program and secured a return offer as a Business Analyst.
 - Proposed strategies to achieve 15% increase in user acquisition and 20% growth in overall revenue by analyzing 3000+ data points from Quarterly User Survey and 6-month sales data in H1 2022.

RESEARCH PROJECTS

- **Forecasting ATM Cash Demand** Hanoi, Vietnam
BANA4040 - Predictive Analytics Jan 2023
 - This project develops a forecast function for a specific bank's cash withdrawal by utilizing characteristics of individual ATMs. After evaluating different modeling methodologies, a feed-forward neural network is chosen as the optimal model, offering the lowest MSE, mitigating multicollinearity, and reducing overfitting risk.
- **Understanding the Tourism and Hospitality Market Through AirBnB Booking Data** Hanoi, Vietnam
CISM2010 - Database Concepts and Skills for Big Data Jan 2023
 - The project aims to create a SQL database using booking data of AirBnB, that offers valuable insights into the tourism industry. It assists businesses, customers, and investors in making informed decisions.
- **LifeLink: Blockchain-Federated Learning for Healthcare Data Collaboration** Dhaka, Bangladesh
International Blockchain Olympiad - IBCOL 2021 Jun 2021 - Oct 2021
 - This project provides a secure, Blockchain-based federated learning model for healthcare data collaboration. It connects healthcare database owners and research agencies to accelerate innovation while ensuring privacy protection and data security in AI application development.
 - Earned the National Champion Award and claimed the top spot in the Best HealthTech Project Prize at the International Blockchain Olympiad 2021.
- **Turtle: An AI-assisted Recycling Mobile App** Hanoi, Vietnam
VinUni's STEME Day 2020 and UNDP's Youth Co:Lab 2020 May 2020 - Sep 2020
 - An AI-powered smartphone app that helps high school students scan the everyday waste to learn STEM knowledge and discover recycling tutorials
 - Achieved First Prize in VinUni's STEME 2020 Qualification Round and Finalist in UNDP's Youth Co:Lab 2020.
- **Virtual Reality for Rehabilitating Children with Cerebral Palsy** Ho Chi Minh City, Vietnam
2019 National Science and Engineering Contest Mar 2019
 - The project aims to revolutionize upper limb rehabilitation for children with cerebral palsy through an innovative Virtual Reality platform. Designed for ages 6-18, it integrates advanced Kinect motion sensor technology for an interactive and engaging experience.
 - Achieved Consolation Prize in the National Science and Engineering Contest and First Prize in the Provincial Science and Engineering Contest.