NGUYEN THANH DAT

Mobile: (+84) 896 694 913 — Email: nthanhdat2411@gmail.com

EDUCATION

Singapore University of Technology and Design (SUTD)   **Singapore**
Engineering Systems and Designs Student   **May, 2013 to Sep,2016**
- Bachelor of Engineering
- Main skills: data preprocessing, data analytics & visualization, back-end programming
- Date of graduation: 14 September, 2016

WORKING EXPERIENCE (6 YEARS)

Grab Financial Group   **Vietnam**
Data Analyst - Regional Lending Operations   **Oct, 2020 to Present**
- Assisted Grab Malay Ops Team in building a Cash Loan app that allows users (mainly drivers and merchants) to loan and repay on installment
- Successfully built solutions using Python to automate multiple documentation processes that involve with the Cash Loan app including inputting customers' sign up data into facility letters and stamping on Malay government's portal and as a result, removed the manpower and resources needed as well as human errors from these processes (about 2500-4000 customers' documents being processed automatically every week)
- Assisted Datalake Team in the integration of Zoho Creator and Microsoft Azure API to store customer information more securely for Grab Ops products
- Analyzed 1 year of sales data of Grab Indonesia Ops Team's shop-now-pay-later products (mainly smartphones) and suggested thoughtful insights which were later on used as weekly practices, enhancing the program's take-up rate by approximately 100% in the first batch since these practices were implemented
- Assisting Grab Philippines Ops Team in building their first financial supporting package for Grab Merchants in Philippines

Magic Code Institute Vietnam   **Vietnam**
Python Lecturer   **Feb, 2022 to Present**
- Attended and assisted a senior lecturer in the first 3 lectures of his new Python Level 1 class in 2022, successfully converted to an official Python Level 1 lecturer for the company
- Lectured the first Python Level 1 course for the company, successfully trained 24 students on using Python to tackle Data Analysis & Data Processing problems, helping them solve their current problems at work more efficiently and accurately; also successfully guided 4 students in achieving their first employment upon university graduation

Jurong Town Corporation (JTC)   **Singapore**
Data Analyst   **Oct, 2016 to Aug, 2020**
- Independently implemented a regression model and a clustering model using Python which helped the Data Analytics department predict the expected prices of HDB flats which helped make better decisions, contributing to an increase in company's profit (about 5.6%)
- Analyzed 10 months of data with another intern, successfully developed interactive dashboards using QlikSense and SQLite to generate consumer behavioral analysis, helping the company reduce resolution time (by 35%) as well as maximize the usage of JTC's IT helpdesk manpower (56 IT workers were reassigned to tasks with their corresponding expertises)
- Collaborated with a team of 6 interns on implementing, developing and introducing a new software to automate and enhance the Data Science Department's performance on data entry and analysis tasks (speed was boosted by 15 times, accuracy was boosted by 30%, manpower was reduced by 8 office workers who then assisted in the company's backend tasks)

ADDITIONAL INFORMATION

- Programming: Python (experienced), SQL (experienced), Cmd (fundamental), R (fundamental)
- Working knowledge of Scikit-Learn, Keras, TensorFlow, QlikSense, Pandas, Matplotlib, Numpy, BeautifulSoup, Flask, FastAPI, Microsoft Azure Portal, Microsoft Azure Data Factory, Microsoft Azure Databricks
- Languages: native Vietnamese, fluent English, elementary Bahasa Indonesia
- Hobbies: football, reading books, card games, cooking