

Hoang Ngoc Thuy Thuong

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🌐 berylhoang2501.github.io in [LinkedIn Profile](#) 🌐 github.com/berylhoang2501

Professional Summary

I am a final-year student skilled in Python, Machine Learning, and Big Data analytics, with hands-on experience in developing predictive models and analytical solutions to drive business insights. I am proficient in extracting actionable intelligence from complex datasets and eager to contribute as a Data Scientist by delivering data-driven strategies that solve real-world challenges.

Education

Hoa Sen University, Ho Chi Minh City, Vietnam

Sep 2021 - Dec 2025

Dual Degrees: B.A. in International Business (E-commerce) and B.A. in English Language Studies (Business English)

- GPA: 3.71/4.0

Professional Experience

Data Analyst Intern

Bien Hoa, Vietnam

OPDA Co., Ltd.

Jul 2024 - Oct 2024

- Built a customer churn prediction model using LightGBM, achieving an 85% F1-score, enabling retention strategies that supported business growth for the Smart Business Platform.
- Solved the Traveling Salesman Problem using Simulated Annealing, optimizing routes across 64 Vietnamese cities, reducing travel distance to 5016.4 km.
- Documented data visualization libraries (Matplotlib, Seaborn) to streamline training for future interns.
- Tools: Python, Pandas, Scikit-learn, PyCaret, Plotly, Google Colab

Technical Skills

- **Python and Libraries:** NumPy, Pandas, Scikit-learn, PyCaret, PySpark
- **Machine Learning:** Regression, Classification, Clustering, PCA, ALS
- **Data Analysis:** EDA, Feature Engineering, Data Cleaning, NLP (underthesea, Gensim)
- **Data Visualization:** Matplotlib, Seaborn, Plotly, WordCloud, PowerBI
- **Databases and Big Data:** MySQL, SQL Server, PostgreSQL, FugueSQL, PySpark (RDDs, DataFrames, MLlib)
- **Data Collection:** Web Scraping (BeautifulSoup, Selenium)
- **Version Control & Model Deployment:** Git, GitHub, Streamlit

Certifications

Data Science and Machine Learning Certificate [🔗](#)

Dec 2023 - Dec 2024

VNUHCM - University of Science, Ho Chi Minh City (Scores: 9-10/10)

- Capstone Projects (Nov 2024): Sentiment Analysis, Hasaki.vn (93.35% accuracy, Random Forest), providing insights for product improvements using PySpark; Recommender System, Hasaki.vn (achieved 78% top-5 accuracy using Collaborative Filtering with KNNBaseline and ALS, correctly recommending at least one preferred product), enhancing user experience through personalized product recommendations. Developed on Google Colab with Surprise and PySpark.
- Tools: Python, Pandas, Scikit-learn, PySpark, underthesea, Gensim, Matplotlib, Seaborn

Data Analysis & Visualization with Power BI [🔗](#)

Jun 2025 - Aug 2025

VNUHCM - University of Science, Ho Chi Minh City (Scores: 10/10)

- Developed interactive dashboards and visualizations to analyze and present data effectively using Power BI.
- Tools: Power BI, Power Query, DAX, Excel

Leadership and Extracurricular Activities

Head of Finance, E-commerce Club

Jan 2024 - Present

Hoa Sen University

- Managed budgeting using Excel and Python to optimize resources, demonstrating strong problem-solving skills.
- Analyzed event metrics, boosting attendance by 20% with data-driven strategies, showcasing teamwork and adaptability.

Languages

- **Vietnamese:** Native
- **English:** Full Professional Proficiency ([TOEIC 905/990](#), May 2025)
- **Korean:** Elementary Proficiency

CỘNG HÒA XÃ HỘI CHỦ NGHĨA VIỆT NAM
Độc lập - Tự do - Hạnh phúc



CHỨNG CHỈ

Certificate

Cấp cho (*Awarded to*): Hoàng Ngọc Thủy Thương

Ngày sinh (*Date of birth*): 25/01/2003

Nơi sinh (*Place of birth*): Tp.HCM

Đã hoàn thành chương trình đào tạo (*Has completed the Certification Program in*):

Chuyên viên Khoa học dữ liệu và Máy học
Data Science and Machine Learning Certificate

Thời gian đào tạo (*Duration of training*): 383 tiết Xếp loại (*Rank*): Xuất sắc

Tp. HCM, ngày 03 tháng 01 năm 2025

Số hiệu (*Serial number*): 000689
Số vào sổ lưu trữ (*Ref. number*): TT/CC/2025/00055

GIÁM ĐỐC
TRUNG TÂM
TIN HỌC
Phạm Thanh Minh



ĐẠI HỌC QUỐC GIA THÀNH PHỐ HỒ CHÍ MINH
TRƯỜNG ĐẠI HỌC KHOA HỌC TỰ NHIÊN

CHỨNG CHỈ



Hoàng Ngọc Thủy Thương

CHUYÊN VIÊN KHOA HỌC DỮ LIỆU VÀ MÁY HỌC DATA SCIENCE AND MACHINE LEARNING CERTIFICATE

No	Courses	Period	Marks
1	Fundamentals of Python (Lập trình Python cơ bản)	48	10
2	Data Manipulation and Data Visualization with Python (Xử lý dữ liệu và Trực quan hóa dữ liệu với Python)	53	10
3	Database SQL and Data Collection for Data Science (Truy vấn và thu thập dữ liệu cho khoa học dữ liệu)	53	9.5
4	Data Pre-processing and Analysis (Tiền xử lý và phân tích dữ liệu)	53	9.5
5	Machine Learning with Python (Máy học với Python)	64	10
6	Big Data in Machine Learning (Dữ liệu lớn trong Máy học)	64	10
7	Đồ án Tốt nghiệp	48	9

Ho Chi Minh City, December 27th, 2024

Director of Computer Science Center

Phạm Thanh Minh



TRƯỜNG ĐẠI HỌC KHOA HỌC TỰ NHIÊN, ĐHQG-HCM
TRUNG TÂM TIN HỌC

COMPUTER SCIENCE CENTER - UNIVERSITY OF SCIENCE, VNU-HCM



Certificate

CHỨNG NHẬN

Hoàng Ngọc Thủy Thương

Đã hoàn thành khóa học

Has successfully completed the training program

Phân tích và trực quan hoá dữ liệu với Power BI
Data Analysis & Visualization with Power BI

Thời gian đào tạo:

Duration of training

40 tiết

class hours

từ ngày: 09/06/2025

from date

đến ngày: 13/07/2025

to date

Điểm: 10.0

Score

Tp.Hồ Chí Minh, ngày 18 tháng 07 năm 2025

Ho Chi Minh city, date



PHẠM THANH MINH

Giám đốc

Director

Website: verify.csc.edu.vn

Code: 1414118

LISTENING AND READING
OFFICIAL SCORE CERTIFICATE



Hoang Ngoc Thuy Thuong

Name

079303001539

Identification
Number

2003/01/25

Date of Birth
(yyyy/mm/dd)

2025/05/08

Test Date
(yyyy/mm/dd)

2027/05/08

Valid Until
(yyyy/mm/dd)

LISTENING

Your score

465

5 495

READING

Your score

440

5 495

TOTAL
SCORE

905

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VN2001

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Detach Here

LISTENING

Your scaled score is between 400 and 495. Test takers who score around 400 typically have the following strengths:

- They can infer the central idea, purpose, and basic context of short spoken exchanges across a broad range of vocabulary, even when conversational responses are indirect or not easy to predict.
 - They can infer the central idea, purpose, and basic context of extended spoken texts across a broad range of vocabulary. They can do this even when the information is not supported by repetition or paraphrase and when it is necessary to connect information across the text.
 - They can understand details in short spoken exchanges, even when negative constructions are present, when the language is syntactically complex, or when difficult vocabulary is used.
 - They can understand details in extended spoken texts, even when it is necessary to connect information across the text and when this information is not supported by repetition. They can understand details when the information is paraphrased or when negative constructions are present.
- To see weaknesses typical of test takers who score around 400, see the *Proficiency Description Table.

ABILITIES MEASURED

PERCENT CORRECT OF
ABILITIES MEASURED

0% 100% Your Percentage

READING

Your scaled score is close to 450. Test takers who score around 450 typically have the following strengths:

- They can infer the central idea and purpose of a written text, and they can make inferences about details.
 - They can read for meaning. They can understand factual information, even when it is paraphrased.
 - They can connect information across an entire text, and they can make connections between two related texts.
 - They can understand a broad range of vocabulary, unusual meanings of common words, and idiomatic usage. They can also make distinctions between the meanings of closely related words.
 - They can understand rule-based grammatical structures. They can also understand difficult, complex, and uncommon grammatical constructions.
- To see weaknesses typical of test takers who score around 450, see the *Proficiency Description Table.

ABILITIES MEASURED

PERCENT CORRECT OF
ABILITIES MEASURED

0% 100% Your Percentage

Can infer gist, purpose and basic context based on information that is explicitly stated in short spoken texts	93	0% 100%
Can infer gist, purpose and basic context based on information that is explicitly stated in extended spoken texts	95	0% 100%
Can understand details in short spoken texts	87	0% 100%
Can understand details in extended spoken texts	93	0% 100%

Can make inferences based on information in written texts	92	0% 100%
Can locate and understand specific information in written texts	81	0% 100%
Can connect information across multiple sentences in a single written text and across texts	85	0% 100%
Can understand vocabulary in written texts	95	0% 100%
Can understand grammar in written texts	86	0% 100%

* Proficiency Description Table can be found on our web site, www.ets.org/toeic

HOW TO READ YOUR SCORE REPORT:

Percent Correct of Abilities Measured:

Percentage of items you answered correctly on this test form for each one of the Abilities Measured. Your performance on questions testing these abilities cannot be compared to the performance of Test takers who take other forms or to your own performance on other test forms.

Note: TOEIC scores more than two years old cannot be reported or validated.

Bậc	Học kỳ	Course Code	Course Title	Credits	Class ID	Class	Assessment	GPA
DH	2131	ANH101DE03	English Listening & Speaking 1	3,00	3939	L2800	8.70; 9.40; 9.70	9.3
DH	2131	ANH116DE02	English Reading and Writing 1	3,00	3944	L2400	3.00; 7.20; 9.30; 7.80; 8.10	7.7
DH	2131	DC122DV01	Kỹ năng Sử dụng Tiếng Việt	3,00	4125	L2400	9.00; 9.90; 9.80	9.7
DH	2131	DC140DV01	Triết học Mác-Lênin	3,00	4130	L2100	8.00; 8.00; 8.00	8
DH	2131	DC141DV01	Kinh tế chính trị Mác-Lênin	2,00	4157	L2800	9.00; 8.50; 7.00	7.9
DH	2132	QP001DV01	Giáo dục quốc phòng 1	0,00	1540	L1600	6.00; 6.80	6.6
DH	2132	QP002DV01	Giáo dục quốc phòng 2	0,00	1558	L1600	7.80; 9.50	9
DH	2132	QP003DV01	Giáo dục quốc phòng 3	0,00	1576	L1600	8.80; 10.00	9.6
DH	2132	QP004DV01	Giáo dục quốc phòng 4	0,00	1594	L1600	7.80; 7.00	7.2
DH	2133	ANH102DE03	English Listening & Speaking 2	3,00	1011	L3000	8.10; 8.20; 7.00	7.7
DH	2133	ANH110DV01	Cơ sở Văn hóa Việt Nam	3,00	1048	L2100	7.00; 8.00; 8.50; 7.00	7.7
DH	2133	ANH117DE02	English Reading and Writing 2	3,00	1017	L2600	10.00; 7.90; 7.70; 7.30; 7.60	7.8
DH	2133	DC142DV01	Chủ nghĩa xã hội khoa học	2,00	1235	L2500	9.00; 7.00; 6.00	7.1
DH	2133	GLAW101DV01	Pháp luật Đại cương	3,00	1264	L2300	10.00; 9.50; 10.00; 6.70	8.3
DH	2133	PE102DV01	Tự vệ đường phố	1,00	1364	L2100	8.00; 8.00; 5.00	6.5
DH	2133	QT106DE02	Introduction to Management	3,00	1045	L2100	8.10; 7.40; 7.80	7.8
DH	2133	TINV002DV01	Tin học dự bị	0,00	1492	L6400	7.70; 5.00; 7.50	6.8
DH	2134	DC084DV01	Chuyên đề 4-Giáo dục công dân	0,00	1933	L0300	8.00	8
DH	2134	DC143DV01	Tư tưởng Hồ Chí Minh	2,00	1269	L0300	9.00; 9.00; 8.00	8.5
DH	2134	PE103DV01	Tự vệ nơi công sở	1,00	1397	L0200	10.00; 7.00; 9.00	8.6
DH	2231	ANH203DE03	Listening and Speaking 3	3,00	1008	L0500	10.00; 10.00; 6.40; 9.10	8.9
DH	2231	ANH210DE03	English Public Speaking	3,00	1021	L0800	10.00; 9.50; 7.50; 9.50	9
DH	2231	ANH212DE03	British and American Culture	3,00	1022	L0100	8.00; 7.50; 6.00; 10.00	8.3
DH	2231	ANH223DE02	English Reading and Writing 3	3,00	1041	L1000	10.00; 10.00; 8.50; 7.00; 8.50	8.5
DH	2231	BA101DV01	Kinh tế Vi mô	3,00	1616	L0600	9.40; 9.40; 6.00	7.7
DH	2231	DC144DV01	Lịch sử Đảng Cộng sản Việt Nam	2,00	1822	L0500	8.50; 9.00; 9.00	8.9
DH	2231	MIS215DV01	TH ứng dụng khối ngành Kinh tế	3,00	2191	L2200	10.00; 9.00; 8.50	9
DH	2232	ANH229DE02	English Grammar in Use	3,00	1004	L0100	9.00; 9.50; 9.80; 7.50; 9.00	9

DH	2232	PE106DV01	Bóng bàn	1,00	1350 L0300	6.40; 7.90	7.3
DH	2233	ANH218DE04	E. Critical Reading & Writing	3,00	1019 L0300	9.00; 9.50; 8.00; 8.60	8.7
DH	2233	ANH228DE01	English for Business Studies	3,00	1032 L0200	8.90; 9.00; 7.50; 6.40; 6.10	7.2
DH	2233	BA102DV01	Kinh tế Vĩ mô	3,00	1479 L0700	9.80; 9.80; 7.80	8.8
DH	2233	IB101DV01	Nhập môn Kinh doanh Quốc tế	3,00	1922 L0800	8.60; 8.50; 8.70	8.6
DH	2233	MIS102DV01	Nhập môn Hệ thống Thông tin QL	3,00	2095 L2000	9.00; 9.60; 9.50	9.4
DH	2234	ANH303DE03	English Syntax and Morphology	3,00	1012 L0100	9.60; 10.00; 9.50; 7.30	8.7
DH	2331	ANH222DE03	Project 1: Secondary Source DC	2,00	1013 L0100	9.00	9
DH	2331	ANH323DE01	English for Corporate Commu	3,00	1045 L0500	8.80; 7.00; 8.80; 8.00; 8.00	8.1
DH	2331	EC201DE01	Electronic Commerce	3,00	1153 L0100	10.00; 9.00; 8.00	8.8
DH	2331	HAN101DV01	Tiếng Hàn 1	4,00	1838 L0200	9.20; 9.60; 9.80; 9.00	9.4
DH	2331	MK203DE01	Introduction to Marketing	3,00	1318 L0100	9.50; 8.50; 9.40	9.2
DH	2331	TC202DE01	Corporate Finance	3,00	1455 L1600	10.00; 10.00; 10.00; 8.00; 8.5	9
DH	2332	ANH404DE03	English Semantics	3,00	1072 L0100	10.00; 9.70; 9.00; 9.50	9.5
DH	2332	ANH421DE01	Customer Service & Relations Mg	3,00	1079 L0100	9.00; 8.80; 9.00; 8.80; 9.40	9.1
DH	2333	EC303DV01	Chính phủ Điện tử	3,00	2281 L0100	8.00; 8.00; 8.00; 8.00; 9.50	8.6
DH	2333	EC307DV01	Ứng dụng Blockchain trong KDQT	3,00	1588 L0100	9.30; 8.00; 9.30	8.9
DH	2333	HAN102DV01	Tiếng Hàn 2	4,00	1790 L0200	10.00; 10.00; 9.50; 8.30	9.2
DH	2333	IB304DV01	Đề án chuyên ngành	2,00	1830 L0100	7.10	7.1
DH	2333	LG202DE01	Logistics	3,00	1215 L0200	8.10; 8.50; 7.00	7.7
DH	2333	LG312DE01	Forwarder and Customs (FIATA)	3,00	1225 L0100	9.70; 9.00; 8.80	9.1
DH	2334	DM302DE01	Digital Marketing	3,00	1023 L0100	8.10; 8.10; 7.90	8
DH	2334	EC306DE01	E-Business	3,00	1026 L0100	9.50; 9.30; 8.50	8.9
DH	2334	IB250DV01	Thực tập Nhận thức	3,00	1153 L0100	9.20	9.2
DH	2431	ANH326DE02	Essentials Skills for PR	3,00	1055 L0200	9.20; 9.20; 9.20; 9.20; 9.00	9.1
DH	2431	BA401DE01	Supply Chain Management	3,00	1098 L0200	10.00; 10.00; 10.00; 8.30	9.2
DH	2431	EC301DV01	Sàn Giao dịch TMĐT	3,00	1532 L0100	10.00; 8.80; 9.20	9.2
DH	2431	EC401DE01	Advanced E-Commerce	3,00	1123 L0100	9.50; 9.00; 9.00	9.1
DH	2431	HAN103DV01	Tiếng Hàn 3	4,00	1623 L0100	10.00; 9.60; 7.30; 6.20	7.6
DH	2431	MIS103DV02	Nhập môn Cơ sở Dữ liệu	3,00	1756 L0100	8.50; 8.00; 9.90	8.9

DH	2432	ANH307DE05	English Phonetics and Phonolog	3,00	1006 L0100	10.00; 9.00; 6.10; 8.60	8.5
DH	2432	EC305DV01	Bảo mật Thương mại Điện tử	3,00	1178 L0100	10.00; 8.70; 9.70	9.6
DH	2433	ANH308DE04	Introduction to Trans & Inter	3,00	2131 L0100	10.00; 9.20; 9.50; 9.00; 9.00	9.2
DH	2433	ANH322DE01	English for Effective BW	3,00	1036 L0200	7.80; 10.00; 9.00; 9.10	8.8
DH	2433	ANH324DE01	Advanced English for Business	3,00	1037 L0100	9.60; 8.70; 9.20; 9.00	9.1
DH	2433	ANH408DE05	American Literature	3,00	1042 L0200	8.00; 9.50; 9.50; 8.50; 9.50	9