Thai Nguyen

Tech-Driven Final-Year Student | AI/ML & Data Enthusiast

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Summary

Final-year E-Commerce student with a strong passion for AI and Natural Language Processing (NLP). Experienced in developing AI-powered applications, including a project integrating Large Language Models (LLMs) for automated idea generation and evaluation. Proficient in Python and familiar with machine learning frameworks. Eager to contribute to innovative AI projects and grow as an AI Engineer in a dynamic, professional environment.

Education

University of Information Technology (UIT) - VNU-HCM

2021 - 2025

- Completed a Bachelor of E-commerce program at the University of Information Technology (UIT), VNU-HCM, with a cumulative GPA of 8.15/10 (equivalent to 3.26/4.0).
- Gained foundational knowledge and practical skills through coursework in Data Analysis, E-commerce Systems, Introduction to Programming, Algorithms and Data Structures, and Digital Marketing.
- Acquired expertise in leveraging e-commerce systems to optimize digital business processes.
- Developed strong analytical abilities through hands-on projects in data analysis and algorithm design.
- Familiarized with database systems for effective data management and integration in e-commerce platforms.
- Gained insights into digital marketing strategies that drive online customer engagement and business growth.

Certifications

- Completion of the Google Data Analytics Professional Certificate through Coursera, covering advanced data analysis techniques and tools.
- Proficiency demonstrated in using SQL, R programming, Tableau, and spreadsheets for data organization and visualization.
- Knowledge gained in cleaning and structuring raw data sets for further analysis while adhering to industry best practices.
- Application of statistical methods for drawing insights and effectively communicating actionable recommendations based on findings.
- Mastery of managing data-driven case studies to solve real-world business challenges with optimized workflows.
- Practical skills developed in utilizing storytelling principles for clear presentation of analytics results to stakeholders.

Relevant Coursework / Online Learning

- Completion of the Machine Learning course by Andrew Ng on Coursera, covering foundational concepts and techniques in machine learning.
- Study of supervised learning methods including linear regression, logistic regression, and neural networks.
- Exploration of unsupervised learning techniques such as clustering and dimensionality reduction algorithms.
- Practical application of performance evaluation metrics for various machine learning models.
- Hands-on projects involving real-world datasets to implement learned algorithms using programming tools.
- Familiarity with regularization approaches to improve model generalization and prevent overfitting.

Project

1. Personal Project: IdeaForge - LLM-powered Idea Generation Tool

Github

- Description: Developed an automated idea generation tool by integrating and orchestrating third-party Large Language Model (LLM) APIs.
- Technologies Used: Python, [Specific API library used, e.g., openai or requests], Git, GitHub.
- Role: Designed, developed, and implemented the complete tool.
- **Results & Achievements:**
  - Successfully integrated and managed API calls from **two different LLMs** to work collaboratively.
  - **Optimized API call efficiency and reduced costs** through [mention specific techniques, e.g., caching, batch processing].
  - Built an end-to-end pipeline that enables LLMs to autonomously generate, evaluate, and refine ideas.
  - Demonstrated ability to work with LLM APIs and apply engineering skills for optimization.

Personal Project: X Tweet Data Analysis System

Github

- Description: Developed a system to collect and analyze real-time tweet data from the X platform based on keywords, applying Natural Language Processing (NLP) techniques to understand community sentiment and discussion topics.
- Technologies Used: Python, [Tweet crawling library, e.g., tweepy, snscrape], **Pandas, NumPy, LDA (Latent Dirichlet Allocation), PhoBert,** [Visualization libraries: Matplotlib, Seaborn, WordCloud], Git, GitHub.
- Role: Developed the complete system from data collection, processing, analysis, to visualization.
- **Results & Achievements:**
  - Successfully built a customizable tweet data collection pipeline.
  - **Successfully applied NLP models (LDA for topic modeling, PhoBert for sentiment classification) on Vietnamese data.** - *Highlighting PhoBert is good for Vietnamese context.*
  - Visualized analysis results (word clouds, sentiment trends) to provide insights into public opinion.
  - Demonstrated ability to work with unstructured data, apply NLP models, and perform data analysis/visualization.

Skills

- **Technical Skills:**
  - **Programming Languages:** Python (**Proficient - Required by JD**), [Other languages if applicable, e.g., Java (from coursework)].
  - **Machine Learning & Data Science:**
    - **Concepts:** Machine Learning, Deep Learning, Natural Language Processing (NLP) - (Good understanding through coursework and projects).
    - **Libraries & Frameworks:** Pandas, NumPy, scikit-learn, **TensorFlow or PyTorch** (whichever you used for PhoBert/DL), **LDA, PhoBert, SQL, Alembic**.
    - **Databases: PostgreSQL**, SQL.
    - **Tools:** Jupyter Notebook, Google Sheets/Excel, Git, GitHub, [Mention crawling tools if any].
  - **API Integration:** Experience integrating and optimizing third-party APIs (demonstrated in IdeaForge).
  - **Data Collection:** Web scraping/Crawling.
- **Soft Skills:**
  - Teamwork & Collaboration
  - Effective Communication
  - Fast Learner & Eager to Learn
  - Critical Thinking & Problem Solving.
  - Proactive & Responsible (
  - Adaptability & Flexibility
  - Passion for Technology & Fintech
- **Language Skills:**
  - English: **Able to read and understand technical documentation effectively.**

Extracurricular Activities

- Participated in Spring Volunteer Campaign]
- Participated in Green Summer Campaign