

VAHE HAMBARDZUMYAN

AI/ML Engineer | Data Science

Educational Background

French University in Armenia

Bachelor of Computer Science

2021 - 2027

- Relevant coursework: Data Structures, Algorithms, Database Systems, Networks, AI, Machine Learning, Software Engineering, Calculus, Linear Algebra, Statistics
- Collaborated on bilingual (French-English) group projects, strengthening communication and problem-solving skills

University of Toulouse

Bachelor of Computer Science

2024 - 2027

Picsart Academy

ML / DS Student

2024 - 2025

- Deep knowledge of Python and core Computer Science fundamentals
- Strong understanding of OOAD, OOP, SOLID principles, Data Structures, and Algorithms
- Solid foundation in Machine Learning concepts and workflows
- Advanced knowledge of Deep Learning, including: Neural Networks, CNNs, RNNs, and Transformers, Natural Language Processing (NLP), Computer Vision (CV), Reinforcement Learning, Generative AI (including diffusion models)
- Strong mathematical background: Calculus, Linear Algebra, Probability Theory, Statistics, Information Theory
- Experience with ETL pipelines and data processing
- Knowledge of DBMS, SQL, Apache Airflow, and PowerBI
- Familiarity with A/B testing, hypothesis testing
- Understanding of AI Engineering principles

Work Experience

Data Analyst, Trendsetter A Multibrand

September 2025 - Present

- Gained hands-on experience with end-to-end ETL processes, ensuring clean, reliable data pipelines for analytical use.
- Worked across business intelligence workflows to support reporting and strategic decision-making.
- Interpreted complex datasets and presented insights using interactive dashboards (Power BI, Tableau), enabling data-driven business actions.
- Developed and evaluated LLM-powered solutions to automate information retrieval
- Designed and implemented Retrieval-Augmented Generation (RAG) pipelines using company documentation and product data to enhance customer support efficiency and response quality.
- Collaborated with business stakeholders to identify AI-driven automation opportunities, reducing manual workload and improving customer service operations.

Contact

Yerevan, Armenia

+374 93 492982

ham.vahe@gmail.com

Online Profiles

 [LinkedIn](#)

 [Github](#)

 [Portfolio](#)

Technical Skills

- Deep knowledge of **Python** and core computer science concepts
- Good understanding of fundamental **Machine Learning** concepts
- Strong understanding of OOAD, OOP, SOLID principles, Data Structures and Algorithms
- Deep knowledge of **Calculus, Linear Algebra, Probability Theory, Information Theory, Statistics**
- Experience with **ETL** processes with Python
- Knowledge of **DBMS, SQL, and Airflow, PowerBI**
- Familiarity with **A/B testing**
- **Computer Vision**: Applied deep learning techniques for image processing, object detection, and visual data analysis.
- **NLP**: Experience with **LLMs**, and Transformer architectures, including **GPT, BERT, and CLIP** models.
- **Generative AI**: Strong understanding of **diffusion model** fundamentals, including **DDPM, DDIM**, and related generative architectures.
- Developed AI-driven solutions using **RAG, LangChain, and LangGraph**, enabling scalable and context-aware **LLM** applications.

Languages

- Armenian - Native
- French - Fluent
- English - Fluent
- Russian - Fluent
- Spanish - Elementary

Certification

Diplôme d'Études en Langue Française Niveau B2 (DELF B2)

- France Éducation internationale

First English Certificate

- University of Cambridge