

Yassin Kina

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in yassin-kina 🌐 YassinKina 📧 @yassinkina

Skills

Technical: Python, PyTorch, SQL, Hugging Face, NumPy, Pandas, Git, Linux/Unix (CLI)

Languages: English (Native), Arabic (C1), French (B2), German (B1)

Education

University of Tübingen

Master of Arts in Computational Linguistics

Tübingen, Germany

Oct 2025 – Present

- Coursework: Neural Networks, Linear Algebra, Calculus

International Islamic University Malaysia

Arabic Language Immersion

Kuala Lumpur, Malaysia

Oct 2024 – May 2025

- Completed intensive coursework focusing on Classical Arabic morphology and Quranic syntax.
- Developed a deep foundational understanding of Semitic linguistic structures required for research in Arabic NLP and Machine Translation.

Tufts University

Bachelor of Science in Computer Science

Boston, USA

Aug 2018 – May 2023

- Coursework: Machine Learning, Software Engineering, Data Structures and Algorithms

Experience

Sales Account Associate - E-Commerce Data & Performance Analyst

Evolved By Nature

Needham, USA

Jul 2023 – Jan 2024

- Data Strategy: Scaled annual advertising spend to \$750K+ across multiple Amazon stores, generating \$1.9M+ in revenue while optimizing ACOS and CTR to maximize market share.
- Python Automation: Engineered Python scripts (Pandas) to automate inventory and ad-spend reconciliation, reducing manual data processing time by 50%.
- Data Pipelines: Developed automated data pipelines to identify underperforming SKUs, enabling a strategic budget reallocation that improved profitability by 20%.

Projects

Pokémon Image Classifier



- Deep Learning Architecture: Designed and implemented a Dynamic CNN using PyTorch, featuring configurable layers, batch normalization, and dropout to classify 150+ Pokémon species.
- Cloud Deployment: Built and deployed an interactive web application using Streamlit, allowing users to upload images and receive real-time classification results.
- Data Engineering: Developed a robust data pipeline using the Hugging Face Datasets library for automated dataset splitting and image transformations.

Amazon Product Insight Engine



- Fine-tuned a RoBERTa transformer model using PyTorch and Hugging Face to classify customer sentiment with 75% accuracy, achieving a 30% error reduction over baseline models.
- Optimized the training pipeline for Apple Silicon (MPS) and implemented BFloat16 mixed-precision, resulting in a 3x increase in training throughput on consumer hardware.
- Engineered a custom stream-then-cache data pipeline to handle large-scale datasets, and addressed significant class imbalance through weighted F1-score evaluation and confusion matrix analysis.