Yassin Kina

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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 *Oct 2025 – Present*
Master's in Computational Linguistics

- **Coursework:** Neural Networks, Linear Algebra, Calculus

International Islamic University Malaysia *Oct 2024 – May 2025*
Arabic Language Immersion — Kuala Lumpur, Malaysia

- 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 *Aug 2018 – May 2023*
Bachelor's in Computer Science

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

Experience

Sales Account Associate - E-Commerce Data & Performance Analyst *Needham, USA*
Evolved By Nature *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.