Yassin Kina

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in yassin-kina ⚙ YassinKina Ⓜ @yassinkina

Skills

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

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

Education

University of Tübingen   *Tübingen, Germany*
Master of Arts in Computational Linguistics   *Oct 2025 – Present*

- Coursework: Neural Networks, Linear Algebra, Calculus

International Islamic University Malaysia   *Kuala Lumpur, Malaysia*
Arabic Language Immersion   *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   *Medford, USA*
Bachelor of Science in Computer Science   *Aug 2018 – May 2023*

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

Experience

Sales Account Associate - E-Commerce Data & Performance Analyst   *Needham, USA*
Evolved By Nature   *Jul 2023 – Jan 2024*

- Managed $750K+ in annual ad spend, leveraging statistical insights to generate $1.9M+ in revenue while optimizing ACOS and CTR to maximize market share.
- Engineered Python scripts for historical data analysis, reducing manual data processing time by 50%.
- Developed data pipelines to identify under-performing SKUs, leading to optimized keyword bidding strategies that increased ROAS by 60%.

Projects

Pokémon Image Classifier   ⚙

- Designed and implemented a Dynamic CNN using PyTorch, featuring configurable layers, batch normalization, and dropout to classify 150+ Pokémon species.
- Built and deployed an interactive web application using Streamlit, allowing users to upload images and receive real-time classification results.
- 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.