Yassin Kina

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yassin-kina YassinKina @yassinkina

Skills

Programming & Tools: Python, SQL, Git, Linux/Unix

Libraries & Frameworks: PyTorch, Pandas, NumPy, Scikit-Learn

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, Multivariable Calculus

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 by optimizing ACOS and CTR to improve advertising efficiency.
- Engineered Python scripts for historical data analysis, reducing manual data processing time by 50%.
- Developed data pipelines to identify underperforming 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 RoBERTa on Amazon reviews for multi-class sentiment analysis, implementing weighted loss functions to resolve class imbalance across 5-star ratings.
- Developed a Streamlit app for real-time and bulk inference, integrating dynamic probability visualizations and automated brand strategy insights.
- Built a modular Python package with reproducible data streaming, Weights & Biases experiment tracking, and Pytest for pipeline reliability.

Technical Writing

The Slippery Slope of Gradient Descent

- Authored a beginner-friendly article explaining gradient descent and core machine learning concepts.
- Developed Python visualizations demonstrating how different learning rates affect gradient descent convergence and divergence.