Kiana Jafari

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EDUCATION

Goldsmiths, University of London London, UK

Dual Enrollment | *Computer Science* Aug 2024 - Mar 2025

Relevant Coursework: CS50 Databases with SQL, CS50 Computer Science, Stanford Machine Learning, IBM AI Engineering, Intro to TensorFlow for Deep Learning, Data Science Math Skills, Computational Mathematics

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, p5.js, HTML/CSS

Databases: SQLite3, MySQL, Google BigQuery

Tools/Software: Anaconda, phpMyAdmin, Jupyter Notebook, Google Colab, Visual Studio Code,

Libraries/Frameworks: OpenCV, TensorFlow, Keras, scikit-learn, XGBoost, NumPy, pandas, Matplotlib, Seaborn, Streamlit

WORK EXPERIENCE

becomexpert Iran, Tehran

AI/ML Internship Sep 2024 - Nov 2024

- Designed and deployed Deep Learning and AI models in real-time, ensuring the maintenance of Ethical AI
- Identified key educational challenges faced by fellows and facilitated knowledge-sharing sessions, resulting in a 65% improvement in academic performance
- Collaborated with cross-functional teams and integrated innovative solutions that enhanced overall project execution and reduced model training time by 40%

PROJECTS

SignWise: Intelligent Traffic Sign Recognition | *TensorFlow, OpenCV, Streamlit* Dec 2024 - Jan 2025

- Implemented a modified version of LeNet-5 from scratch to classify traffic signs into predefined categories
- Leveraged OpenCV and applied advanced statistical techniques, including Data Augmentation, to improve the model performance, achieving an accuracy score of above 94% on the test set
- Designed an interactive web application using Streamlit and deployed the model in real-time, making an engaging experience for the users

Binary NLP Classifier for TikTok Transcripts | *Python, scikit-learn, XGBoost* July 2024 - Aug 2024

- Implemented a binary classifier to label TikTok video transcriptions as claim or opinion using n-gram vectorization and metadata encoding
- Tuned Random Forest and XGBoost with recall-focused 5-fold GridSearchCV and deployed Random Forest, achieving 99.8% test accuracy and 99.5% recall
- Delivered end-to-end pipeline and model analysis, including preprocessing, evaluation, and feature importance using scikit-learn, XGBoost, Pandas, and Matplotlib

PROFESSIONAL DEVELOPMENT

Tech Employability Skills Experience UoL Careers Service (Remote)

Career Preparation Fellow Jan 2025 - Feb 2025

- Participated in an intercultural program to develop Global Employability Skills through workshops led by careers experts and employers on key topics for the Future of Work
- Gained employability-related insights, including future trends and the impact of AI, from expert careers consultants, graduates, and employers relevant to specific industries

TECHNICAL BLOG

"Understanding the Math Behind Deep Neural Networks" - Published on Medium, *Link* May 2024