SEP AMINIAN

Linkedin: https://www.linkedin.com/in/amirsepehr-aminian/   Location: London, UK

Contacts: +447878807771   amirsepehr.aminian@gmail.com

EXPERIENCE

Software specialist - RSM UK   Mar. 2023 - Present
London, United Kingdom

- Working as a part of a wider team to incorporate Microsoft Copilot into the business by designing detailed use case scenarios and integrating considerations on privacy policies and data sharing as well as technological accuracy.
- leveraging my expertise in diverse programming languages and technologies to offer strategic guidance and implement efficient software solutions that align with industry best practices for certain use cases in the corporate tax function.
- Collaborating closely with cross-functional teams, facilitating seamless integration of software systems, ensuring smooth transitions through enhanced performance and productivity.

Machine Learning Engineer - Definely   Apr. 2022 - Mar. 2023
London, United Kingdom

- Demonstrated proficiency in effectively utilising the transformers library to fine-tune BERT, consistently attaining elevated F1 score of 86% and 83% for ML text classification for scenarios for detecting defined terms and references in French and German.
- Designed, developed, and deployed a cloud-based ML text classification model with over 90% accuracy using XGBoost, Pandas, SciKit Learn, and Azure infrastructure.
- Spearheaded the creation of an efficient pipeline, optimising engineer productivity through labelled data management, repository oversight, and task automation.
- Initiated the launch of a website sandbox service, providing users with a free web-based product experience and collecting valuable data for future machine learning tasks using Django, MongoDB and React JS.

SELECTED PROJECTS

Multiple NLP tasks   Aug. 2022-Mar. 2024

- Created a pipeline to recover LLM prompts using Gemma7b with a score of 0.68.
- Spearheaded the implementation of neural network solutions for a variety of NLP tasks, including Natural Language Modeling, Machine Translation, Named Entity Recognition, and Co-reference Resolution.
- Implemented the Seq2Seq Dialogue model with precision, closely adhering to the original paper's specifications. Demonstrated expertise in model development using TensorFlow Keras and PyTorch, incorporating ELMO and BERT for embedding layers. Explored attention-based methods and traditional LSTMs to enhance overall model performance across diverse projects.

EDUCATION

MSc. Artificial Intelligence with Distinction- Queen Mary University of London   Sept. 2021- Sept. 2022

- **Details**: Graduated with Distinction

BSc. Geomatics Engineering with Distinction- University of Tehran   Sept. 2016 - Feb. 2021

- **Details**: Minor in Computer Engineering. Graduated with Distinction

SKILLS

- **Programming Languages:** Python, JavaScript, C++
- **Machine Learning:** PyTorch, TensorFlow, Keras, CUDA, LLMs, Generative models, Transformers, Scikit Learn, NumPy, Pandas, Matplotlib, NLTK, Spacy
- **Frameworks and technologies:** Node.JS, Django, Azure, MongoDB, SQL, Git, Docker
- **Soft Skills:** Project management, Communication, Analytical thinking, Teamwork, Independence.
- **Certifications:** Intro to Software Engineering(IBM), Machine learning Summer School 2023(OxML), Neural Networks and Deep Learning(Coursera), Python for Data Science(IBM)