Ahmed Samady

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SUMMARY

Dedicated software engineer and junior ML/DL engineer, currently pursuing a Master's in AI and Data Science. I have a strong interest in AI, with a focus on natural language processing (NLP), generative AI, machine learning, and deep learning. Skilled in Python, C++, C, and Java, with recent projects mainly involving Python for AI and Data Science applications. My strengths include critical thinking, fast learning, team leadership, and adaptability.

EXPERIENCE

End-of-studies project: GLUPS-123   Apr 2023 - June 2023
PC Halle   *Tangier, Morocco*
- Improved a mobile children's serious game by using different reinforcement schedules to enhance the reward system.
- Added player performance statistics for further analysis, revamped the reward system.
- Enhanced user interfaces and gameplay using Unity and C#.

PROJECTS

Faculty's Llama 3 Chat Bot   May 2024 – June 2024
Natural Language Processing   *Python, Flask, Svelte(Kit), RAG, ChromaDB, Langchain, Hugging Face, Docker*
- Developed an end-to-end web application using public faculty information.
- Utilized RAG and Fine-tuning to compare the two techniques.

Twitter Sentiment Analysis   May 2024
Big Data / Machine Learning   *Python, Flask, Svelte(Kit), Regex, MLlib, PySpark, Kafka, Docker*
- Built an end-to-end web application for performing sentiment analysis on tweets.
- Trained a model for SA using PySpark MLlib library.
- Containerized the project with separate API, App, and Kafka Producer and Consumer containers.

Machine Learning Toolkit   Dec 2023 – Jan 2024
Machine Learning / Data science   *Python, CustomTkinter, Scikit-learn, Pandas, NumPy, Matplotlib*
- A desktop toolkit for effective data preprocessing and machine learning.
- Developed by customTkinter and powerful ML and preprocessing python libraries.

EDUCATION

Faculty of Sciences and Technologies of Tangier   Tangier, Morocco
M.S. in Artificial Intelligence and Data Science   *Oct 2023 – Present*
Faculty of Sciences and Technologies of Tangier   Tangier, Morocco
B.S. in Computer Science   *Sept 2020 – June 2023*

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, SQL, LaTeX.

Machine / Deep Learning Frameworks: TensorFlow, PyTorch, Scikit-learn.

Libraries & Tools: NumPy, Pandas, Matplotlib, OpenCV, NLTK, Gensim, BeautifulSoup, PySpark, Git, Docker, PowerBI, Talend.

Databases: MongoDB, MySQL, MS SQLServer, ChromaDB.

LANGUAGES

English: Full Professional Proficiency

French: Professional Working Proficiency

Arabic: Native Proficiency