Ramsis Hammadi

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SUMMARY

Experienced **Data Scientist** skilled in developing **ML models** and **AI solutions**, specializing in **reinforcement learning**, **LLMs**, and **real-time recommender** systems. Proficient in building **accelerated ML pipelines**, enhancing **model performance**, and **collaborating** with **stakeholders** to turn **insights** into **impactful applications**.

EXPERIENCE

Freelance AI Specialist

Stealth   **August 2024 - November 2024，US, Remote**

• Spearheaded an **accelerated GenAI** and **ML-powered copilot** for building **real-time Discounted Cash Flow** models, enhancing support for **specialists** and **stakeholders**.
• Designed a **RAG pipeline** with **Guardrails** to **prevent jailbreaks** and integrated **Weave** for **LLM production evaluation**, achieving **98% precision** in **context-based responses**.
• Deployed a **continuously updated hybrid model** combining **LLMs** and algorithms to **standardize financial statements** across companies, achieving **90% automation** with a direct **connection** to **S3 Bucket** to store **backlogs**, **Master Data model** and **unified line items**.

Data Science Intern

Seeloz Inc.   **January 2024 - June 2024，US, Remote**

• Applying **deep reinforcement learning knowledge**, specifically in **DQN** and **PPO** algorithms, and utilizing popular frameworks like **StableBaselines3** and **Ray RLLib** for **training** and **evaluation**.
• **Designing**, **integrating**, and **testing** four novel features for the Seeloz® **Supply Chain Automation Suite**™ **AI Inference Engine**, aimed at **improving results** and **adding stability**.
• Conducting a **comprehensive code review** and **evaluation** against a **customer dataset**, followed by a **final presentation** to **Seeloz leadership** on the **internship's impact**.

AI Engineer

Cicero.ly   **May 2023 - January 2024，US, Remote**

• **Benchmarking LLMs** to **generate synthesis** using **deepEval** and **CoT** techniques reaching **95% stability** level of responses.
• Constructing **production-ready ML pipeline** to **generate synthesis** supporting **RAG** for **documents injection**, **Langchain** for **restrictions** and **FastAPI** to create **RestAPIs**.
• Creating a **scheduled job** that **summarizes**, **generates topics** for each content post using a **flexible pipeline** tolerant to errors which parses over **300+** of **new content each day** with an **optimized latency.**

Junior Data Scientist

Cyber Division   **July 2022 - May 2023，Sousse, TN**

• Building **real-time** and **scalable recommender systems** with a database of over **200K+ products** using **hybrid systems**. Developed a **RASA chatbot** for **customer assistance** with **CI/CD pipeline** to ensure **maintenance** and **continuous improvement** to **NLP Models**.
• Using **Story Telling techniques** to **showcase** work for **stakeholders** gaining **full comprehension** of the **AI related features**.

PROJECTS

Freelance GenAI Consultant

Dediro • www.dediro.com/ • June 2024 - August 2024

• **Explore newest approaches** related to **GenAI** and their **impact** on **existing work**.
• Attend **scrum meetings** and **advise with technical suggestions** for **upcoming AI features** and their **feasibility**.
• Create a **micro-testing environment** for the **multi-step agentic synthesis generator** that **sped up testing** and **shipping** new **features** to **production** by **3x times**.

Freelance Project, Survey Data Analysis

Unilever PLC - Upwork Talent Group • December 2023 - May 2024

• **Consumer Insight Extraction**: Conducted **exploratory analysis** to **uncover key factors** influencing **brand preferences**.
• **Advanced Analytical Techniques**: Applied **PCA**, **MDR**, and **EDA** for **in-depth survey data analysis** visualized through **interactive dashboards** using **plot.ly** and **Dash** tables.
• **Data-Driven Strategy**: Analyzed **survey data** from **10,000+ respondents**, providing **insights** that **boosted** client **strategy** and **projected a 25% rise** in **customer satisfaction**.

Freelance Project, Article Writer Web Application

GM, INC. • October 2023 - March 2024

• **AI-Powered Article Creation**: Enter a **keyword** to generate **SEO-optimized**, **up-to-date articles** with **relevant images** using **SOTA LLM Models**, **Langchain** and **FastAPI**.
• **Smart SEO Integration**: Ensures **keyword optimization**, **readability**, and **search rankings**.
• **Auto-Deployment with Internal Linking**: Automatically **publishes** to **WordPress** with **AI-added links** to **related articles**.

EDUCATION

Masters of Big Data & Data Science

Horizon - School of Digital Technologies • Sousse, TN • 2024

Bachelor of Embedded Systems Engineering

Higher Institute of Applied Sciences and Technology of Sousse, Sousse • Sousse, TN • 2022

SKILLS

Languages: **Python, R, C/C++, Dart, Scala**.
Backend Servers: **FastAPI, Django, Flask**.
Deployment Platforms: **AWS SageMaker, Azure, Replit, Streamlit, HuggingFace**.
Visualization Tools: **Tableau, Looker Studio, Matplotlib, Seaborn, JMP**.
Database Management: **SQL Server, MySQL, PostgreSQL, MongoDB, Google Big Query, Firebase, PySpark**.