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A student of Systems Engineering with a strong focus on research and development of solutions based on Artificial Intelligence (AI) and Machine Learning (ML). I have a solid academic background and experience in implementing deep learning models, data analysis, and cloud architectures using advanced technologies such as Python, and SQL. My profile is characterized by a problem - solving orientation and a strong ability to lead technological innovation projects. My goal is to contribute significantly to the development of advanced solutions in the field of AI and automation, with a strong commitment to academic and professional excellence.

PROFESSIONAL EXPERIENCE

INTER – AI DEVELOPER

JRC SoftCoding Solutions. 15 January 2025 – Today

- During my internship at JRC SoftCoding Solutions, I have assumed the role of AI Developer, focusing on the creation and enhancement of automation tools to optimize internal processes. Among my main responsibilities and achievements, the following stand out:
 - Development of a Slack Agent: I implemented an agent that facilitates the querying of relevant project information, allowing access to details regarding commits and files in the GitHub repository, as well as managing and administering lists and cards on the Trello Kanban board.
 - Creation of a PDF Information Extraction Agent: I designed and developed an agent specialized in the automated extraction of data from PDF files, with the objective of efficiently completing forms and improving the management of internal information.
- This experience has allowed me to consolidate my skills in artificial intelligence and the integration of various platforms (Slack, GitHub, and Trello), significantly contributing to the efficiency and productivity of the team.

SOFTWARE ENGINEER AND AI/ML MODELS DEVELOPER

Personal

- Designed and implemented large language models (LLMs) such as GPT, Claude, and Llama3 using advanced frameworks like Hugging Face and Langchain to address complex natural language processing (NLP) problems.

MENDOSSAT 1 - GROUND SOFTWARE

The Mars Society – Nanosatellite

- Participated in the development of ground software for the MendosSAT 1 nanosatellite, designing and programming of the satellite control system, including telemetry management and orbital tracking.

EDUCATION

NATIONAL TECHNOLOGICAL UNIVERSITY - MENDOZA REGIONAL FACULTY

Bachelor of Information Systems Engineering

In progress

TECHNICAL SKILLS

- Nativ Español. Fluid Inglés (B2).
- Programming Languages: Python, a bit of C++ and TypeScript.
- Frameworks and Technologies: Flask, Langchain, Hugging Face, TensorFlow, Scikit - learn, Ollama, Agency Swarm, AI SDK, OpenAI API.
- Tools and Technologies: Git, Pandas, NumPy, Matplotlib
- Databases: MySQL.
- Development Methodologies: Agile Development (Scrum), Continuous Integration, Automated Testing.