Daniele Morotti

AI Engineer

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PROFILE

I am always eager to learn new technologies and apply them to solve problems and create new projects. I am passionate about AI and particularly interested in Deep Learning, Natural Language Processing and Computer Vision.

EDUCATION

Master's Degree in Artificial Intelligence   2021 – 2023
University of Bologna
A two-year Master's degree in Artificial Intelligence, which provides solid competencies in the innovative applications of AI.
Graduated with a score of **110/110 with honors.**

Bachelor's Degree in Computer Science   2018 – 2021
University of Bologna
For my graduation project, I developed an anti-counterfeiting system for the fashion industry, deployable on the Ethereum blockchain.
Graduated with a score of **108/110.**

PROFESSIONAL EXPERIENCE

AI Engineer   12/2023 – Current
Diennea   Faenza
- Designed and deployed a FastAPI server managing AI service integrations across company platforms.
- Developed a unified Python package for seamless integration of OpenAI, Google, Anthropic, LlamaCPP LLM services and custom ML algorithms.
- Built a scalable, memory-efficient collaborative filtering system for product recommendations based on user purchase history.
- Architected LLM-powered solutions to enhance existing software capabilities.
- Implemented several agent-based solutions to interact with the company knowledge base and customer data.

Data Scientist Intern   04/2023 – 08/2023
Data Reply   Bologna
- Developed my thesis project, which aimed to process custom data of various types (textual and tabular data) to make them usable by LLMs.
- Conducted fine-tuning experiments and compared their effectiveness with a retrieval augmented generation approach for both OpenAI and open source models.

SKILLS

- Used Python, JavaScript, C++, SQL, and R across academic coursework, hands-on projects, and professional roles.

- Employed packages such as NumPy, Pandas, TensorFlow, Keras, PyTorch, Scikit-learn, FastAPI and Streamlit to develop data analysis, machine learning, and deep learning solutions.

LANGUAGES

Italian (native) │ English (professional)