

Mohamed Touhami HADJ

Data Engineer

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📍 Paris, France

Skills

Python • SQL • NoSQL • Bash • REST APIs (Flask, FastAPI) • CI/CD • Google Cloud Platform •
Complex problem solving • Audience-aware Communication • Proactive and adept at setting priorities

Professional Experience

Safety Data Engineer, ArianeGroup - Apprenticeship

2022 – 2024

Designed and implemented a Python-based tool for data analysis and report generation, automating tasks previously done manually.

Extracted and displayed data from a multi-page physical worksheet, integrating it into a PostgreSQL database.

Created and managed a REST API to access the PostgreSQL database with the analysis tool.

Worked under the supervision of four senior developers, following a CI/CD process.

Developed, documented, and delivered code on time.

Completed report generation using strong algorithmic skill.

Software development for Centre for Propulsion Engineering,

2022 May – 2022 Sep

Designed and implemented a tool for data analysis and report generation, automating tasks previously done manually.

Extracted and displayed data from a multi-page physical worksheet, integrating it into a PostgreSQL database.

Created and managed a REST API to access the PostgreSQL database with the analysis tool.

Education

Artefact School Of Data, Data engineering

2025 Mar – 2025 Apr

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ENSTA Paris, Polytechnic Institute of Paris,

2021 Sep – 2024 Oct

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Lycée Saint-Louis, Classe préparatoire PCSI

2019 – 2021

Designed and implemented a tool for data analysis and report generation, automating tasks previously done manually.

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Created and managed a REST API to access the PostgreSQL database with the analysis tool.

Projects

Developed a personal website using HTML/CSS, showcasing professional experience and projects.

ENSTA challenge: created a Fast API, integrating a vector database (Chroma) and HuggingFace embeddings to provide personalized responses.

Implemented an SQL database to store user prompts, enabling future improvements through fine-tuning and analysis.

Technologies used: Python, FastAPI, HuggingFace, Chroma, PostgreSQL, HTML, CSS.

Interests

Travelling | MotoGP & Motorsports | Calisthenics | New hardware technologies | Entrepreneurship & Innovation