



Mahdi Jafari

JUNIOR AI ENGINEER · PYTHON DEVELOPER

Open to AI / Python opportunities · Tehran, Iran

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GITHUB

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PORTFOLIO

portfolio-6m1.pages.dev

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01 SUMMARY

Junior AI Engineer and Python Developer focused on Python, machine learning, and backend systems. Practical engineering on Mentorix as Accounting Engine Developer — the Accounting Engine and modules for double-entry bookkeeping, ledger, and reporting. Incoming Computer Engineering student at Islamic Azad University.

02 EXPERIENCE

Accounting Engine Developer

Mentorix

Accounting Engine & modules · FastAPI · PostgreSQL · SQLAlchemy · RabbitMQ · Docker · pytest

- Designed and implemented accounting-domain modules for the Mentorix Accounting Engine.
- Built the Chart of Accounts structure and account-balance tracking from posted ledger entries.
- Implemented journal entries with debit/credit balancing, posting workflows, and General Ledger consistency.
- Implemented fiscal-period handling and period-aware posting rules.
- Built reversal operations for correcting posted entries safely.
- Added audit-related functionality and accounting validation rules at the service layer.
- Implemented accounting reports and database-backed accounting operations.
- Integrated RabbitMQ / AMQP background workers; used Alembic, pytest, and Docker Compose.

03 TECHNICAL SKILLS

CORE

Python Machine Learning Deep Learning NLP Computer Vision Transformers PyTorch TensorFlow Scikit-learn NumPy
Pandas

PRACTICAL — MENTORIX

FastAPI PostgreSQL SQL SQLAlchemy Pydantic REST APIs RabbitMQ Docker Docker Compose Alembic pytest

ADDITIONAL TRAINING / EXPOSURE

RAG LangChain LangGraph MLflow Node.js Nest.js Redis MongoDB

04 EDUCATION

Computer Engineering

Islamic Azad University, Iran

Incoming — admission confirmed

Technical & Vocational High School Diploma

Computer — Network & Software · Technical & Vocational School, Iran

Completed

05 CERTIFICATIONS

AioLearn Skills Academy · 2026

Introductory Python Jul Programming Algorithms Jul Advanced Python Sep

Special Python for Artificial Intelligence Jul Machine Learning Jul Artificial Intelligence Algorithms Jul

Artificial Intelligence Tools Jul

06 LANGUAGES

Persian — Native · English — Intermediate