

Nick Ashouri

LLM ENGINEER & BI DEVELOPER

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Key Figures

5

PUBLICATIONS

GPT-4.1

PRODUCTION LLM

100/day

DOCUMENTS

20+

DASHBOARDS

Skills

LLM & AI

- GPT-4.1 / GPT-4.1-nano
- LangChain · Azure OpenAI
- RAG · Prompt Engineering
- NLP · Document AI

Data & BI

- Power BI · DAX · Power Query
- PostgreSQL · Navision ERP
- ETL · Data modelling

Engineering

- ▲ Python 3.13 · SQL
- ▲ Azure Functions · Git
- ▲ LightGBM · XGBoost
- ▲ VPS · systemd · Web3

Languages

English — Professional
German — B1 → B2
Persian — Native

Education

MSc Computer Science

Bergische Universität Wuppertal
2019 –

BSc Computer Science

Kharazmi University, Tehran
2013 – 2018

Experience

- **LLM Engineer & BI Developer** Jan 2022 – Present
reha assist GmbH · Arnsberg, Germany
LLM & AI Development (2024 – Present)
 - Azure Function App (GPT-4.1, LangChain): classification, indexing & case summaries for Enaio DMS — ~100 docs/day, 85% accuracy, 30 min → seconds
 - GPT-4.1-nano for OCR; GPT-4.1 for reasoning — deliberate cost vs. accuracy optimisation
 - Building open-source privacy filter (local LLM) to redact patient data before cloud processing*Business Intelligence (2021 – Present)*
 - 20+ Power BI dashboards across 8 departments; bonus calculation from 3 days to instant
 - Navision ERP + Enaio DMS + Microsoft HR integrated into unified reporting layer*Healthcare Data Science (2022 – Present)*
 - Corresponding author, 5 peer-reviewed publications (1 published, 4 under review)
 - ML model predicting Nachbehandlungsempfehlungen from ICUC functional scores
- **Application Developer** Jan 2021 – Dec 2021
reha assist GmbH · Arnsberg, Germany
 - Enaio DMS, ETL design, foundational Power BI reporting
- **IT Technician** Aug 2017 – Jan 2021
Tehran Municipality · Tehran, Iran
 - Helpdesk lead for 1,000+ employees; +15% uptime improvement
 - Smart City initiative: 10% cost reduction, –20% reporting time

Projects

- **Options Trading Decision-Support System** 2026 – Present
24/7 BTC/ETH platform: regime detection (LightGBM), displacement scanner, on-chain analytics, Telegram alerts — Hetzner VPS.
Stack: Python · LightGBM · XGBoost · PostgreSQL · PySide6
- **Polymarket Copy-Trading Bot** 2026 – Present
EIP-712 CLOB trade-mirroring. Safety: geo-check, slippage guard, genesis block protection.
Stack: Python · Web3/EIP-712 · CLOB API · PostgreSQL

Publications

- published ○ under review
- *Long-term care of polytraumatized patients, requirements for rehabilitation management* — Die Unfallchirurgie, Oct 2025 · Co-Author
- *Detecting disorders early in the healing process: Telephone support during the healing process using the ICUC score* — BMC Health Services Research, under review · Co-Author
- *Effectiveness of Telephone-Based Health Visits in Musculoskeletal Rehabilitation* — Das Gesundheitswesen, under review · **Corresponding Author**
- *Langzeitbetreuung polytraumatisierter Patienten — Teil 2* — Die Unfallchirurgie, under review · Co-Author
- *Pflegeberatung – Stärken und Schwächen* — Zeitschrift für Gerontologie und Geriatrie, under review · Co-Author

Certifications: Claude Code in Action (Anthropic, 2026) · Generative AI Automation Specialization (Vanderbilt, 2024) · Deploy & Maintain Power BI (Microsoft, 2025) · Python for Data Science (IBM, 2024)