

Asim Khaskheli

AI Engineer

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PROFESSIONAL SUMMARY

AI Engineer and Master's student in Intelligent Systems with 4+ years building ML/LLM-powered solutions, from generative AI pipelines to data-driven analytics dashboards in Python.

EXPERIENCE

AI Engineer

May 2024 – Oct 2025

Allia Health

San Francisco, California, USA

- As the first AI Engineer on the team, partnered with the co-founder and ran stakeholder workshops to translate healthcare needs into concrete, high-value LLM-powered use cases
- Designed and orchestrated multi-stage LLM prompting pipelines (NER, sentiment analysis, transcript segmentation, behavioral markers) built on Python backend services, cutting clinician documentation time by **90%**
- Collaborated with a Stanford professor to bring academic NLP/LLM research into production, shipping features used directly by clinical teams
- Delivered AI-powered clinical insight features integrated with patient knowledge graphs, reducing projected diagnostic time by **30%** through iterative testing and stakeholder feedback

Data & Growth Engineer

July 2022 – May 2024

DealCart

Karachi, Pakistan

- Served as the founding product and data hire, building backend data pipelines and dashboards in Python/SQL to turn real user behavior into scalable product features and KPIs
- Designed and automated a fraud-detection service, applying privacy-aware data handling and testing to safeguard approximately **\$25,000** in promotional discounts
- Ran **40+ A/B tests** and statistical experiments end-to-end — from workshop-driven hypothesis design to analysis — improving conversion rates by **8%** and engagement by **20%**
- Led cross-functional workshops using cohort and behavior analysis to redesign the app-wide user journey, driving a **30%** rise in Net-GMV

Working Student Data Analyst

Feb 2022 – June 2022

OneScreen

Islamabad, Pakistan

- Used quantitative data analysis to identify and implement pricing optimizations, boosting product profitability in the US market
- Partnered with engineering and marketing in requirement-gathering workshops to define the technical product strategy for OneScreen Cloud Studio, launching the company's first recurring revenue stream

Undergraduate AI Research Intern

Sept 2021 – Jan 2022

National University of Sciences and Technology

Islamabad, Pakistan

- Assisted PhD candidates in their research on Image Super Resolution

PROJECTS

Internal Documentation RAG CLI | *Python, LangChain, Ollama, ChromaDB, FastAPI, Uvicorn, Click, Pydantic, Docker, Rich*

June 2026

- Built a terminal-based RAG CLI in Python that answers developer questions directly from internal documentation, demonstrating hands-on work with LLM applications and retrieval-based AI workflows.

Clinical EHR AI Chatbot | Python, LangChain, FHIR, OpenAI API, Ollama, ChromaDB, FastAPI, Uvicorn, Click, Pydantic, Docker, RichSep 2025

- Built an AI chatbot that enabled clinicians to ask questions about patient information in the EHR and receive answers along with recommended actions.
- No-Code SQL Generator with LLMs | Python, Azure OpenAI, Pinecone, PostgreSQLMarch 2024
 - Implemented No-code SQL Generator converting natural language to SQL queries, enabling business users to access data without SQL knowledge.

TECHNICAL SKILLS

Languages: Python, SQL/NoSQL, Javascript, Typescript HTML/CSS

Libraries: Pandas, NumPy, Matplotlib, Seaborn, SK-learn, TensorFlow, PyTorch, LangChain, Plotly, Spark, FastAPI, Statsmodel, Nextjs

Tools: GitHub, AWS, GCP, AirFlow, Task Weaver, LangGraph, BigQuery, Docker, Assembly AI, OpenAI, Pinecone, Claude Code, Cursor

Skills: Regression, Classification, Time Series Forecasting, Clustering, NLP, Generative AI, Gradient Boosting, Data Analytics, Data Preprocessing, ETL, Data Visualization, RESTful APIs, Statistics, Operations Research, Problem Solving

EDUCATION

Rheinland-Pfälzische Technische Universität Kaiserslautern-LandauKaiserslauternMaster of Science in Computer Science (Specialization in Intelligent Systems)Oct 2025 – Present

Relevant Coursework:

Statistical Machine LearningNeural Networks for NLPVery Deep LearningImage Generation & Enhancement

National University of Sciences and TechnologyH-12, IslamabadBachelor of Engineering in Software EngineeringSept 2018 – June 2022

Relevant Coursework:

Machine LearningData Structures and AlgorithmsObject Oriented ProgrammingDatabase Systems

LANGUAGES

English - C1 IELTS - Certified

German - A2 (Learning)

INTERESTS

FootballCricketHiking & TravelingGym