IMANGALI MUKHAMBETZHANULY

Hong Kong

📞 6506 4811 ✉ imuki.hk@gmail.com 🔗 imuki 🔗 imuki2004

Education

City University of Hong Kong   Sep. 2022 – May 2026
Bachelor of Science in Data Science   *Hong Kong, SAR*
- CGPA: 3.45/4.3
- Relevant Coursework: Statistical Methods and Data Analysis, Data Visualization, Python for Data Science, Database Systems, Data Structures, Machine Learning, Computational Linguistics (NLP), Deep Learning

Working Experience

Fleet Management Ltd.   Jun. 2025 – Aug. 2025
Data Science Intern   *Hong Kong, SAR*
- Deployed and managed a PostgreSQL server on AWS EC2, ensuring scalable data storage for application needs.
- Developed and maintained FastAPI endpoints for efficient data transfer and interaction with the server.
- Implemented an MLOps pipeline for continuous fine-tuning of the application LLM on GCP, improving model performance and alignment with the user needs.
- Optimized Tableau dashboard performance, reducing loading time from 18 seconds to 9 seconds by replacing heavy computations in Tableau with efficient SQL query extracts and redesigning the dashboard to minimize visual complexity.

LangCube   Jun. 2024 – Aug. 2024
AI Engineer Intern   *Hong Kong, SAR*
- Conducted extensive research on latest LLM advancements (Multi-Agents, RAG-systems, Hallucinations, Guard rails) and reported daily progress to ensure alignment with project goals.
- Designed and implemented complex Retrieval-Augmented Generation (RAG) pipeline to handle tabular data inputs for enabling Q&A between user and the data file.
- Wrote a reusable code for the tabular data Q&A feature with configurable components, enhancing system flexibility and maintainability.

Projects

Semi-Supervised Deep Learning for Multi-Class Image Classification | *Python, Bash*   Mar. 2025
- Developed a semi-supervised deep learning pipeline using PyTorch to classify 14 flower categories
- Designed and optimized a custom DeepResNet architecture (20M parameters) with residual blocks, MixUp regularization, and pseudo-labeling.
- Implemented advanced training techniques including custom scheduler, boosting generalization on a high-performance computing cluster (V100 GPU).

Chat with your PDF | *Python, Streamlit, Ollama, Langchain*   Feb. 2025
- Designed and built an interactive Streamlit-based application that allows users to upload PDFs and engage in natural language conversations about their content.
- Integrated Qdrant for vector similarity search and utilized a locally hosted Ollama model (deepseek-r1:8b) to generate context-aware answers, enabling efficient document retrieval and natural language processing.

Technical Skills

Programming Languages: Python, R, SQL, C++
Relevant Packages : PyTorch, Pandas, Numpy, Scikit-learn, NLTK, Langchain, LlamaIndex, Streamlit
Technologies: GitHub, Docker, FastAPI, AWS, Tableau, HuggingFace, Ollama, PostgreSQL, DBeaver, GCP

Academic Achievements

Honours and Scholarships: Full Tuition Scholarship (HKD 560k), Diversity Grant Scholarship (HKD 120k), HK Tech Tiger Talents Program, Dean's List in Semester B (22/23), Dean's List in Semester B (23/24)
Languages: English, Russian, Kazakh