

Kavish Hukmani

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SUMMARY

AI/ML specialist with 5 years of experience developing advanced Machine Learning, Deep Learning, NLP, and GenAI solutions across multiple domains. Proficient in Python, SQL, PyTorch, LangChain, and modern LLM tooling, with a Computer Engineering foundation.

WORK EXPERIENCE

Role	Company	Location	Date
Data Scientist, Workplace Analytics (Contract)	Meta	San Francisco, CA	Jan. 2024 – Current
• Led development of AI features for a CRM used by ~2,000 employees. Designed an agentic framework with RAG, MCP, and subagents . Partnered with SWEs to deliver search summaries, custom reports, and auto-generated entries from meeting notes, chats, and emails.			
• Architected domain-focused analytics assistant using multi-agent workflows , knowledge base ingestion, SQL generation and validation pipelines, and a rigorous LLM eval framework to enable self-serve ah-hoc queries and dashboard discovery.			
• Upgraded three legacy text-classification models, including the employee pulse survey, using Llama based classifiers resulting in a 5% accuracy lift and driving broader GenAI adoption in the department.			
Data Scientist	Unison	San Francisco, CA	Jul. 2022 – Dec. 2023
• Spearheaded Unison's first proprietary AVM (home valuation model) development with a large-scale ensemble of 10+ Machine Learning and Deep Learning models, achieving competitive performance with existing paid solutions.			
• Boosted customer targeting effectiveness, doubling response rates for direct mail and email campaigns using feature engineering and modeling in PySpark MLLib .			
• Modeled the customer onboarding funnel using survival analysis, improving company cash flow and conversion rate.			
Data Scientist (Practicum Project)	Angel Flight West	San Francisco, CA	Oct. 2021 – Jun. 2022
• Built and deployed a flight cancellation risk assessment model using XGBoost , increasing the annual flight count by 4%.			
• Performed ETL jobs on 100M+ rows of flight data for ad-hoc analysis with SQL and Python .			
Data Scientist, AI & Optimization	Impact Analytics	Bengaluru, India	Aug. 2020 – Jun. 2021
• Developed a MobileNet model in PyTorch to detect image quality issues such as blur and tilt on mobile devices, deploying the solution via Caffe .			
• Maintained tooling and conducted training for multi-level neural networks in image classification using PyTorch , facilitating efficient model deployment system reliability.			
• Maintained highly critical client-facing APIs built in Python (Flask/Gunicorn), ensuring exceptional availability, performance, and reliability for end-users.			
• Created MIP models in Gurobi to optimize promotions and inventory allocation for retail chains such as Tommy Hilfiger, Calvin Klein, and Puma.			

SKILLS

Programming Languages: Python, SQL (Presto, Postgres, Spark), R, PHP/Hack, Bash

Frameworks: PyData (Pandas, NumPy, scikit-learn), PyTorch/Lightning, TensorFlow/Keras, PySpark, LangChain, XGBoost

Technologies: AWS, GCP, Spark, Gurobi, Kubernetes, Docker, Linux, Git, Tableau, OpenAI API

Certifications: AWS Cloud Practitioner, DeepLearning.AI Deep Learning Specialization, Tableau Desktop Specialist

PROJECTS

- First-author of **Solving Twisty Puzzles using Reinforcement Learning** ([Paper](#) and [open-source Python library](#)).
- **Dota 2 Icon GAN**: Generated new images for character skill icons for the video game Dota 2 using GANs in PyTorch.
- **Cover Letter LLM Generator**: Automated cover letters using GPT-3.5 Turbo, LangChain, and Streamlit.
- **Analyzing Online Conversations of the Russian-Ukraine Conflict**: Used RoBERTa models to analyze sentiment on various hashtags and topics and find their correlation with real-world events.

EDUCATION

University of California, Davis	San Francisco, CA
Master of Science, Business Analytics	Jun. 2022
• Granted an MSBA Fellowship, Beta Gamma Sigma member (Top 20% of the school)	
Manipal Institute of Technology	Manipal, India
Bachelor of Technology, Major in Computer Engineering, Minor in Big Data	Aug. 2020