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, TensorFlow and modern LLM tooling.

WORK EXPERIENCE

Meta **San Francisco, CA**

Data Scientist, Workplace Analytics (via Alpha Net Consulting) 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.

Unison **San Francisco, CA**

Data Scientist 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.

Angel Flight West **San Francisco, CA**

Data Scientist (Practicum Project) 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**.

Impact Analytics **Bengaluru, India**

Data Scientist, AI & Optimization 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