Kavish Hukmani

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SUMMARY

Senior Data Scientist with 4+ years of experience building and scaling ML, analytics, and GenAI systems. Expertise in large-scale data analysis, model evaluation, and experimentation. Proficient in Python, SQL, Spark, and PyTorch, with a Computer Engineering foundation.

WORK EXPERIENCE

Meta   **San Francisco, CA**
Data Scientist, Workplace Analytics (Contract)   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.
- Built scalable SQL-based **analytics pipelines** to measure building usage for 60k+ employees, translating complex capacity requirements into company-wide decisions on desk allocation, team relocations, and building consolidation.
- Upgraded 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
- Saved $2MM annually in CAC by improving customer targeting (2x response rate) for direct mail and email marketing channels using effective feature engineering and **modeling** techniques in **PySpark**.
- 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.
- 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
- Used **Google Analytics** to analyze user drop-off in the new patient intake forms and conducted **A/B tests** to increase form completions by 125%.
- Built and deployed a flight cancellation risk assessment model using **XGBoost**, increasing the annual flight count by 4%.

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 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.
- **San Francisco Laundry Insights**: Reverse-engineering a mobile app to analyze city-wide laundry usage.
- **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