

Kavish Hukmani

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PROFILE

Domains: Machine Learning, Data Analytics, Statistical Exploration, Optimization, Big Data, A/B Testing, Computer Vision

Programming Languages: Python, SQL dialects (MySQL, Redshift, BigQuery, MS SQL), R, Bash, Java, HTML

Technologies: Linux, Tableau, AWS (EC2, EMR, Redshift, S3), GCP, Spark, Gurobi, Redis, MongoDB, Advanced Excel, Git

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

HIGHLIGHTED EXPERIENCE

Unison Investment Management

San Francisco, CA

Data Scientist

July 2021 –

Leveraged various machine learning techniques to optimize problems affecting both, Unison's home equity customers, and institutional investors.

- Saved \$2MM annually in CAC by improving customer response rate by 200% for postal mail marketing using various **modelling** techniques in **PySpark**.
- Improved cashflow by increasing accuracy in customer onboarding time by 12% through **survival analysis** in **R**.

Angel Flight West

San Francisco, CA

Data Analyst

Oct. 2021 – Jun. 2022

As a part of the MSBA practicum, leveraged advanced analytics to help Angel Flight West, a non-profit organization that provides free non-emergency medical flights, double their reach.

- Increased the annual flight count by 4% by building and deploying a flight cancellation risk assessment model using boosted decision trees in **Azure ML**.
- 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%.
- Performed **ETL** jobs on 100M+ rows of flight data for ad-hoc analysis with **MySQL** and **Python**.

Impact Analytics

Bengaluru, India

Data Scientist

Aug. 2020 – Jun. 2021

Data Science Intern

Jan. 2020 – Mar. 2020

Worked in the AI/Optimization team at Impact Analytics, a fast-growing startup providing SaaS solutions to retailers in the fashion and CPG markets.

- Developed inventory allocation and promotions optimization MIP models in **Gurobi(Python)** for three market-leading fashion and athleticwear retailers. Received a spot award for reducing runtime by 10x.
- Trained a **neural network** in **PyTorch** for edge devices to identify image quality issues such as blur and tilt.
- Maintained client-facing **Flask (Python)** APIs with 1000+ users globally with 99.9% SLA.
- Developed a coupon booklet optimizer and recommender for a Fortune 500 warehouse club chain.

PROJECTS

- First-author of **Solving Twisty Puzzles using Reinforcement Learning** ([Paper](#) and [open-source Python library](#))
- **Dota 2 Icon GAN**: Used PyTorch to generate new images for character skill icons for the video game DotA 2.
- **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.
- Contributor to **D2ACQ(open-source online quiz)**: Fixed issues in the web scraping code.

EDUCATION

University of California, Davis

San Francisco, CA

Master of Science, Business Analytics

Jun. 2022

- *Highlighted Coursework:* Machine Learning, Advanced Statistics, Big Data Analytics, Cloud Computing
- Granted an MSBA Fellowship (\$6000 scholarship), 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