SUJITH KAMME

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EDUCATION

University of Southern California | *Los Angeles, CA* *Aug 2023 - May 2025*

Master of Science in Applied Data Science

CGPA: 3.95/4.0

Coursework: Big Data, Machine Learning, Probability & Statistics, Data Mining, User study research, UX Strategy

Achievements:
- Course Producer for DSCI552 (Machine Learning for Data Science)
- DEIA Senator at USC Viterbi Graduate Student Association

Vellore Institute of Technology | *Vellore, India* *Jul 2017 - Jun 2021*

Bachelor of Technology in Computer Science and Engineering

CGPA: 9.38/10.0

Achievements:
- Secretary at Rotaract Club of VIT

WORK EXPERIENCE

Business Analyst, *Aditya Birla Sun Life AMC* *Jun 2021 - Jul 2023*
- Improved chatbot's intent recognition by 15% through performance monitoring, bot retraining, and implementation of data labeling scripts.
- Orchestrated data flow pipeline across 4 customer-facing applications, delivering an omnichannel experience and earning the Best Initiative award.
- Utilized A/B testing to improve the quick suggestions feature in the chatbot, resulting in a 19% increase in engagement.
- Developed comprehensive dashboards tracking revenue generation, app usage metrics, and NPS, enabling streamlined month-over-month analysis across 7 applications.
- Collaborated with business stakeholders on 10+ projects to align IT solutions with business strategies, products, and processes.

Machine Learning Engineer Intern, *Tata Consultancy Services* *Mar 2021 - May 2021*
- Developed and productionalized a machine learning model for real-time traffic sign detection and recognition using TensorFlow, achieving an 85% accuracy rate.
- Conducted comparative analysis of various models, selecting and optimizing the most effective architecture for the project's requirements.
- Implemented a basic model retraining framework using TensorFlow Extended (TFX) to monitor and maintain model performance over time.
- Contributed to technical documentation detailing the development process and key findings for future reference
- Collaborated with cross-functional teams by providing machine learning expertise and assisting in the integration of models into production systems using Docker and Git for version control.

SKILLS

- **Programming/Tools**: Python, SQL, R, Spark, Scala, Git, Docker, AWS, Tableau, MLFlow
- **Machine Learning :** Supervised/Unsupervised Learning, Deep Learning, Kafka
- **Statistical Analysis:** A/B Testing, Correlational Research study
- **Soft Skills:** Analytical Thinking, Problem Solving, Team Player, Communication, Adaptability

PROJECTS

Cross Sell Insight *| Python, Flask, AWS (S3, EC2, ECR), Docker, Mlflow, Dagshub, Github Actions*
- Developed an XGBoost model to assess health insurance policyholder interest in vehicle insurance with 87% test accuracy. Created an end-to-end pipeline for data ingestion from S3, transformation, model training, and evaluation using DagsHub (MLflow), while implementing Docker, CI/CD with GitHub Actions, and deploying to AWS ECR.

Crash Insights *| Python, Scikit-learn, Tableau, Matplotlib, PyTorch, Google Colab*
- Analyzed car accident data in the US to develop a predictive model for accident severity with 90% accuracy. Identified key factors influencing accident severity, including weather conditions and temporal patterns, and provided actionable recommendations to enhance road safety.