

SUJITH KAMME

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EDUCATION

University of Southern California | Los Angeles, CA

Aug 2023 - Present

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

SKILLS

- **Programming/Tools:** Python, SQL, R, Spark, Git, Docker, AWS, Tableau, MLFlow
- **Machine Learning :** Supervised/Unsupervised Learning, Deep Learning, NLP(Topic Modeling, Text Classification)
- **Statistical Analysis:** A/B Testing, Correlational Research study, Hypothesis Testing
- **Soft Skills:** Analytical Thinking, Problem Solving, Team Player, Communication, Adaptability

WORK EXPERIENCE

Machine Learning Engineer Intern, Tata Consultancy Services

Mar 2021 - May 2021

- Developed a robust pipeline architecture encompassing data loading, dataset exploration, preprocessing (shuffling, grayscale conversion, local histogram equalization, normalization), and model training, evaluation, and testing.
- Implemented Faster RCNN for precise traffic sign detection. Conducted comparative analysis, and selected VGGNet for traffic sign recognition, achieving an 85% accuracy rate.

Business Analyst, Aditya Birla Sun Life AMC

Jun 2021 - Jul 2023

- Product Owner of over 10 customer-facing applications, supervising 20+ projects that cater to business needs and drive innovation.
- Pioneered the innovative 'Omnichannel Campaign Initiative', achieving a substantial 40% increase in customer outreach. Recognized with CEO award for "Functional Excellence - Individual" for pivotal role in Go-Live.
- Spearheaded the "Omnichannel Experience" initiative, enabling customers to seamlessly resume their transactional journey across different platforms and driving 12% annual revenue increase. This effort was recognized with the "Best Initiative" award at the Aditya Birla Capital annual awards.
- Improved chatbot responsiveness by 15% through the introduction of new intents and bot training. Initiated the "Query Suggestions" project, significantly enhancing the overall customer experience.
- Implemented MIS dashboard reports to streamline month-on-month business generation tracking.

PROJECTS

Financial Product Complaint Categorization | Python, NLP, Tensorflow(LSTM), Flask, Google Colab

- Developed an LSTM-based NLP model using TensorFlow for categorizing products in customer complaints, achieving 88% accuracy, with an end-to-end pipeline for data ingestion, validation, and transformation.

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.