

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: 4.0/4.0

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

Achievements:

- Graduate Teaching Assistant 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
- **Statistical Analysis:** A/B Testing, Correlational Research study
- **Soft Skills:** Analytical Thinking, Problem Solving, Team Player, Communication, Adaptability

WORK EXPERIENCE

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.

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

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.

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.

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.