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
Relevant Coursework: Big Data, Machine Learning, Data Science, Artificial Intelligence, Statistics

Vellore Institute of Technology | *Vellore, India*   *Jul 2017 - Jun 2021*
Bachelor of Technology in Computer Science and Engineering
CGPA: 9.38/10.0

SKILLS

- **Languages/Tools**: Python, SQL, HTML, CSS, JavaScript, Git, Tableau, JIRA, Docker, AWS, Mlflow
- **Libraries/Frameworks**: TensorFlow, Scikit-Learn, BeautifulSoup, PyTorch, Flask, NLTK, spaCy, Transformers
- **Machine Learning & Big Data**: Exploratory Data Analysis (EDA), Classification , Regression Modeling, Probabilistic Modeling, Principal Component Analysis , Clustering, Neural networks, CNN, Hadoop, Spark
- **Statistics**: Time-Series Analysis (OLS, ARIMA), A/B testing, Hypothesis testing, Monte-carlo simulations, Financial forecasting, Covariance and correlation modeling
- **Soft Skills:** Analytical Thinking, Strategic Planning, Team Player, Leadership, Adaptability

PROFESSIONAL EXPERIENCE

Assistant Manager, *Aditya Birla Sun Life AMC*   *Jun 2022 - Jul 2023*
- Pioneered the innovative 'Omnichannel Campaign Initiative,' achieving a substantial 40% increase in customer reach. For this project, I earned the prestigious 'Functional Excellence - Individual' award.
- Supervised 20+ projects, leading to a 10% increase in business stakeholder productivity and a 30% reduction in support team ticket interventions.

Trainee (Business Analyst), *Aditya Birla Sun Life AMC*   *Jun 2021 - May 2022*
- Spearheaded the "Omnichannel Experience" initiative, enabling customers to seamlessly resume their transactional journey on assets and driving a substantial 10% YoY 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 comprehensive training. Initiated the "Query Suggestions" project, significantly enhancing the overall customer experience.
- Implemented MIS dashboard reports to streamline month-over-month business generation tracking. Collaborated in strategic discussions with senior management to optimize products and boost business generation.

Project 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

Financial Product Complaint Categorization | *Python, NLP, Tensorflow(LSTM), Flask, Google Colab*
- Developed a NLP-based model for categorizing products associated with customer complaints.
- Constructed a neural network model using LSTM from scratch with TensorFlow, and established a comprehensive end-to-end pipeline that handles data ingestion from an S3 bucket in AWS, data validation, transformation, and model evaluation. The model attained a categorical accuracy of 88%.

Cross Sell Insight | *Python, Flask, AWS (S3, EC2, ECR), Docker, Mlflow, Dagshub, Github Actions*
- Developed a predictive model for assessing the interest of Health Insurance policyholders from the previous year in the client's Vehicle Insurance, achieving an 87% test accuracy with the selected XGBoost model.
- Implemented an end-to-end pipeline, incorporating data ingestion from s3 bucket, transformation, and model training and model logging and evaluation using Dagshub(mlflow). Implemented Docker containerization, orchestrated a CI/CD pipeline with GitHub Actions, and deployed the model to AWS ECR for efficient and scalable deployment.