Srushti Kamble

srushtikamble.sk13@gmail.com | LinkedIn | Jersey City, NJ | (551) -362-7822

EDUCATION

Master of Science in Data Science August 2023–May 2025
Stevens Institute of Technology, Hoboken, NJ
Related Courses: Statistics, Model Optimization, Applied Machine Learning, Data Mining, Deep Learning
Bachelor of Engineering in Information Technology June 2018–May 2022
G H Raisoni College of Engineering, Nagpur, MH
Related Courses: Data Structures and Algorithms, Cloud Computing, Database Management Systems

EXPERIENCE

TechCiti Software Consulting, Bengaluru, India
Data Science Intern July 2021–December 2021

- Led the development of a **SQL**-driven inventory management reporting system, resulting in a 50% reduction in manual data entry by overseeing database architecture design and managing a team of data engineers
- Integrated purchasing systems with supplier APIs, optimizing data pipelines and reducing reordering processing time by 30%, while streamlining cross-platform data integration
- Designed and optimized backend architecture to enhance data quality, ensure fast read performance, and support real-time analytics for business-critical decisions
- Accelerated data-driven decisions by constructing ETL pipelines and Tableau dashboards, enabling stakeholders to monitor key inventory metrics in real-time, leading to 25% improved inventory turnover
- Collaborated with cross-functional teams to prioritize system capabilities based on policy needs and data privacy regulations

ACADEMIC PROJECTS

Data Engineering – Electronic Sales Analytics - GitHub August 2024-November 2024

- Engineered automated **data pipeline** using Mage.ai to process 20,000+ customer records and 5 product categories, ensuring 100% data accuracy and reducing manual reporting time by 8 hours daily
- Developed and optimized **BigQuery** schemas for efficient data storage and retrieval, resulting in 40% faster query performance
- Created interactive **Looker Studio dashboard** visualizing key metrics like identifying $21.5M revenue opportunity in smartphone category through detailed product performance analysis driving data-informed business decisions
- Followed **agile methodology** to deliver project milestones and documented comprehensive technical specifications and maintained project Readme for knowledge sharing and future maintenance

AI Application – Mental Health Support Chatbot - GitHub July 2024–October 2024

- Developed a chatbot as measured by 92% positive user feedback by implementing PyTorch and NLTK in Python
- Improved response accuracy by 85% as measured by user interaction metrics by training the model from transformers library on diverse mental health scenarios and implementing contextual understanding
- Reduced response time by 40% by optimizing the model architecture and implementing efficient data preprocessing techniques

Statistical Analysis - Customer Lifetime Value Prediction - GitHub January 2024–April 2024

- Developed and delivered a machine learning model using SQL and **Python** to forecast customer lifetime value for a major retail company, leading to a 15% increase in customer retention and optimized marketing strategies
- Evaluated and selected optimal predictive models using statistical analysis and machine learning algorithms enhancing accuracy in customer value prediction by 20%
- Built a Flask-based predictive model to deploy the predictive model for real-time customer value estimation, enabling cross-functional teams to improve targeting and segmentation

Computer Vision - Face Mask Detection - GitHub January 2021–May 2021

- Established image and video processing system achieving 95% accuracy on test data, by implementing a deep learning model using **TensorFlow** and following MLOps best practices with DVC.
- Engineered data augmentation techniques and hyperparameter tuning, leveraging tools like scipy an joblib, effectively diversifying training data and enhancing detection accuracy by 5 percentage points
- Enabled a responsive web application for real-time mask detection monitoring, achieving alert delivery within 5 seconds of detection, by utilizing Flask for the backend API and JavaScript with HTML/CSS for the frontend interface

SKILLS

- **Programming Languages**: Python, R, SQL, NoSQL
- **Technologies**: Pandas, NumPy, scikit-learn, Pytorch, TensorFlow, Keras, PySpark, Model Development, Airflow, Hadoop, NTLK, Flask, Tableau, Looker, Power BI, Google Cloud Platform, Git, CI/CD, Microsoft Excel, Microsoft PowerPoint
- **Algorithms**: Logistic Regression, Random Forest, Neural Network, Time Series Analysis
- **Core Competencies**: Hypothesis Testing, Data Modeling, API Development, Database Design, System Debugging

CERTIFICATES

- Google Data Analytics, DataCamp PowerBI, Udemy Solutions Architect – AWS