Tanishqa Shetty

(206)387-9048 | tshetty9@uw.edu | LinkedIn | Seattle, WA | tanishqashetty.github.io

EDUCATION

University of Washington Seattle, WA
Master of Science in Information Management *(GPA– 3.93/4)* June 2024
Coursework: Data Engineering, Data Mining, Machine Learning, Advanced Statistics, Data Visualization

University of Mumbai Mumbai, India
Bachelor of Engineering – Computer Engineering *(GPA– 9.23/10)* June 2021
Coursework: Artificial Intelligence and Soft Computing, Big Data Analytics, Data Warehousing & Mining, Data Structures & Algorithms, Statistics, Software Engineering & Management

TECHNICAL SKILLS

Programming- Python, SQL, R, C, HTML/CSS, Spark, Sci-Kit Learn, Tensorflow, Numpy, Pandas, matplotlib, Streamlit, seaborn
Tools- Linux/Windows/OS X CLI, AWS S3, AWS EC2, Tableau, Microsoft Power BI, Jupyter Notebook, Airflow, HDFS, Hive
Certifications- GCP Associate Cloud Engineer, Google Analytics Individual Qualification

WORK EXPERIENCE

University of Washington Seattle, WA
Data Engineer Intern Mar 2023 – Present
- Engineered ETL pipelines to **integrate 8 data sources into a centralized data warehouse**, facilitating the FP & A team with data-driven decision-making capabilities
- Collaborated with senior data engineers to **optimize SQL queries, reducing query execution time by 20%** and improving overall database performance
- Developed **5+ Power BI** reports optimizing efficiency by 15-20% for the FP & A team through real-time data visibility, interactive dashboards, and predictive analytics

Quantiphi Inc Mumbai, India
Business Analyst June 2021 – June 2022
- Conducted **thorough requirements gathering workshops and user interviews with key business stakeholders**, resulting in a comprehensive understanding of their needs and challenges
- Collaborated closely with cross-functional teams to ensure seamless implementation of developed solutions, resulting in a **20% increase in overall efficiency**
- Performed EDA **on data using Python and SQL to identify key trends and insights**, leading to 2x revenue growth due to data-driven business decisions
- Developed **15+ Tableau dashboards to visualize KPIs and predictive insights** generated by ML models, and effectively communicated findings to the client

1 Martian Way Mumbai, India
Machine Learning Intern Nov 2019 – June 2020
- Developed a multi-class object detection model for a warehouse **using Faster_RCNN_Inception_V2 model for configuring the hyperparameters** during model training, reducing manual efforts by 5+ hours/day
- Achieved 10% accuracy improvement through **OpenCV-based image augmentation**

PROJECTS

Airflow Data Pipeline for Stock Prices
- Orchestrated a data pipeline using Airflow for consumption of stock prices utilizing HDFS and Hive to store stock prices

News Aggregation via Google News Web Scraping
- Scraped 20,000 Google News articles to aggregate current affairs across the world to analyze public sentiments through visualization, and compare sentiments at different timelines using NLP techniques like Textblob

Demand Forecasting Model
- Developed a demand forecasting model using **time-series analysis and ARIMA algorithms** in Python, resulting in a 10-15% improvement in inventory management and reducing stockout situations

AWARDS & LEADERSHIP EXPERIENCES

- Recipient of BECU Term Scholar & Dean's Scholarship Award for being a top admit to the graduate program
- Awarded grant worth $5000 from Microsoft's AI for Earth Program to build models that monitored coral reefs using AI
- Operations Lead for Women Who Code Mumbai chapter, led 7 successful event campaigns alongside 9 volunteers