Tanishqa Shetty

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EDUCATION

University of Washington — Seattle, WA
Master of Science in Information Management *(GPA– 3.93/4)* — Sep 2022 - Jun 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)* — Aug 2017 - Jun 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, Tableau Desktop Specialist

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**, improving data accessibility & 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
- Implemented **Spark Jobs for Big Data (~ 100 GB) ETL Operations** using Azure HDInsight, Data Factory, and Power BI

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 **exploratory data analysis on large datasets using Python and SQL,** identifying key trends and insights that led to data-driven business decisions resulting in a 2x revenue growth and **15% reduction in customer churn rates**
- 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**

Sales Forecasting Model
- Developed a sales forecasting model using **time-series analysis and Seasonal ARIMA,** resulting in a 10-15% improvement in seasonal sales

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