CHYAVAN MYSORE CHANDRASHEKAR

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SUMMARY

Experienced data scientist with 3 years in data science and analytics with a master's degree in Business Analytics from UT Austin. Proficient in Python, SQL, R, and Tableau with hands-on experience in Machine Learning, Analytics, Reporting, and Decision-Making. Passionate about taking initiative to implement ideas and articulating results to technical and non-technical audience.

TECHNICAL SKILLS

Programming: Python (NumPy, Scikit-learn, Pandas, TensorFlow, Keras, PySpark, Gurobi), SQL (MySQL, PostgresSQL, SQL Server), R
Technologies & Tools: Tableau, Git, AWS (Sagemaker, Redshift, Athena, S3, EC2), Excel, Jupyter Notebooks, R-Studio, Spark, Hadoop
Statistical Learning: Statistical Analysis, Visualization, Dashboarding, Deep Learning, Data Wrangling, Neural Networks, NLP
Certifications: *Google Data Analytics Specialization*, *Machine Learning Specialization*, *Tableau for Data Science*

EDUCATION

The University of Texas at Austin   May 2023
Master of Science, Business Analytics (GPA: 3.93/4)
- Coursework: Data Science Programming, Deep Learning, Unstructured Data Analytics, Optimization, Reinforcement Learning

JSS Science & Technology University   September 2020
Bachelor of Engineering, Electronics & Communication (GPA: 9.11/10)
- Coursework: Data Structures & Algorithms, Object-oriented programming, Advanced Calculus, Linear Algebra, Probability

EXPERIENCE

The University of Texas at Austin – *Research Assistant,* Austin, Texas   June 2023 – Present
- Evaluate the performance of LLMs (GPT-3, BERT), diffusion models, and generative AI technologies in data science applications
- Generalize an approach to promote critical thinking, productivity, and AI literacy in the post-LLM era in technical education

Affinity Answers – *Data Scientist,* Austin, Texas   January 2023 – May 2023
- Devised a process using unsupervised learning techniques (scikit-learn) to delineate errors causing anomalies (data drift and data issues) like revenue and churn rate changes, errors in geotagging, transaction dating, and brand auto-identification corner cases
- Developed predictive and time series models of financial transactions data on AWS (Sagemaker, Athena) for each brand using client's transaction data and integrating external datasets and created a metric to identify transactional and trend anomalies

Western Digital – *Analytics Software Developer,* Bangalore, India   January 2020 - June 2022
- Developed an analytical reporting and automation system for storage device validation used by 10k+ users across 50 labs in 4 countries and delivered latency improvements and enhancements resulting in a performance boost of up to 300%
- Managed a team of engineers in developing a comprehensive lab management dashboard, enhancing drive monitoring, optimizing utilization, and providing a high-level overview of performance, health, and storage across different drive categories
- Created a comprehensive performance monitoring system that integrated Google Analytics enabling continuous insights into critical Web and API performance for ongoing enhancement opportunities
- Devised SQL jobs and stored procedures (Microsoft SQL Server), Console Applications & Services (C# and Python), and RESTful APIs using ASP.NET Core MVC to verify and test SSDs and Firmware
- Integrated predictive and diagnostic models with real-time data for failure analysis, collaborating with the machine learning team

PROJECTS

Guac 'n Roll – *Demand Forecasting & Dynamic Pricing*   April 2023
- Analyzed the price and demand relationship of avocado sales all over the US and devised a regression-based Demand function with 98.4% R-squared and achieved a 30.7% increase in revenue using dynamic pricing strategy (XLSTAT) for the forecasted period

Stylized Speech Synthesis – *Speech Generation using Neural Networks*   January 2023
- Ideated and developed a generative machine learning model (TensorFlow) for transforming a user's text input into a desired celebrity's speech by modifying vectors of autoencoder representation with voice signatures identified during speaker recognition

Formula-1 Analysis – *System Design, Tableau Integration & Analysis*   December 2022
- Conceptualized a data management framework for a company establishing a Formula-1 team by employing the Oracle cloud to set up a data lake and built Tableau dashboards to analyze and identify the potential race and market entry strategies

A Cornucopia of Cereals – *Recommendation System using Natural Language Processing*   October 2022
- Scraped data of 1500+ cereal brands (Selenium Python) and extracted user's desirable attributes from the product reviews using NLP to recommend the top-3 niche cereals based on results from VADAR Sentiment Analysis and Word2Vec Similarity

Austin MetroBike Trip Prediction – *Predictive Modeling*   August 2022
- Performed multiple supervised learning analyses (R and R-studio) on 1.69 million bike trips and predicted prospective traffic at MetroBike stations with 83.3% R-squared with Random Forest ensemble to provide supply management and marketing insights