CHYAVAN MYSORE CHANDRASHEKAR

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SUMMARY

A proficient Engineering and Business professional graduating with a Master's degree. 3 years of experience in applying concepts of Machine Learning, Statistical Analysis, Visualization, Automation, and Full-stack Development. Passionate about taking initiative to implement ideas, identifying business implications beyond data, and articulating results to technical and non-technical audiences.

EDUCATION

The University of Texas at Austin   May 2023
Master of Science, Business Analytics (GPA: 3.93/4)
- Coursework: Advanced Machine Learning, Optimization, Time Series Analysis, Marketing Analytics, Unstructured Data Analytics

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

TECHNICAL SKILLS

Programming: SQL, R, Python (TensorFlow, PyTorch, Scikit-learn, Pandas, NLTK, Gurobi, Spacy, Selenium), JavaScript, HTML, CSS, C#
Technologies & Tools: Git, Excel, Tableau, AWS (Sagemaker, Athena, S3, EC2), Google BigQuery, Angular, Jupyter
Skills: Machine Learning, Hypothesis Testing, Natural Language Processing, Experimental Design, A/B Testing, Causal Inference
Certifications: *Machine Learning Specialization* by DeepLearning.AI, *Google Data Analytics Specialization* by Google

EXPERIENCE

Affinity Answers – *Data Science Capstone Intern,* 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 purchase 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 – *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

Doodle GAN – *Generative Adversarial Networks*   March 2023
- Led a team of 5 in implementing a Deep Convolutional Generative Adversarial Network (DCGAN) model in python (Keras and TensorFlow) and training it on the Google QuickDraw dataset to generate unique bat doodles

The Price is Perfect – *Optimization and Dynamic Programming*   March 2023
- Created a dynamic programming model using Python (NumPy, SciPy) to incorporate stochastic demand behavior for airline ticket purchases and established the pricing strategy to follow to optimize the profitability of the airline

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 warehouse and built Tableau dashboards to analyze and identify the potential race and market entry strategies

Marketing Analytics – *Market Basket Analysis, RFM Analysis*   November 2022
- Extended Market Basket Analysis to find complementary and substitutive product suggestions for articles in the inventory of an e-commerce retailer and performed RFM analysis to identify the most profitable segments demographically and geographically

LEADERSHIP

- Operations Lead (Developer Student Club by Google) - Orchestrated Google cloud study jams, Machine Learning workshops, and boot camps, while also serving as the lead for digital media and photography teams
- Cultural Team Lead – Led undergraduate university's cultural team of 50+ talented individuals into a national-level cultural competition, 'Antaragni' organized by the Indian Institute of Technology-Kanpur