CHYAVAN MYSORE CHANDRASHEKAR

chyavan.m.c@utexas.edu • chyavan-mc.github.io • linkedin.com/in/chyavan-mc • (737) 275-8719

EDUCATION

The University of Texas at Austin   May 2023
Master of Science, Business Analytics (GPA: 3.97/4)
- Coursework: Advanced Machine Learning, Deep Learning, Optimization, Time Series Analysis, Marketing Analytics, Demand Analytics & Pricing, Financial Management, Unstructured Data Analytics

JSS Science & Technology University   September 2020
Bachelor of Engineering, Electronics & Communication (GPA: 9.11/10)

TECHNICAL SKILLS

Languages: Python (TensorFlow, PyTorch, Scikit-learn, Pandas, NLTK, Gurobi, Spacy, Selenium), SQL, R, JavaScript, HTML, CSS, C#
Technologies & Tools: Git, Angular, Excel, Tableau, AWS: Sagemaker, Athena, S3, EC2
Skills: Machine Learning, Web Scraping, Hypothesis Testing, Natural Language Processing, Agile (Scrum, Jira, Kanban, Confluence)

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
- Developing predictive and time series models of purchase data available for analysis on AWS (Sagemaker, Athena) for each brand using client's transaction data and integrating external datasets

Western Digital – *Software Development Engineer,* Bangalore, India   January 2020 - June 2022
- Owned a module of the automation and analytical reporting Software and delivered latency improvements resulting in a performance boost of up to 300% in specific cases, functional and scalable code extensions, and front-end enhancements
- Devised SQL jobs (Microsoft SQL Server), Console Applications & Services (C# and Python), and back-end procedures to achieve communication between internal tools and process data periodically
- Spearheaded the delivery of significant UI features to improve and provide a consistent user experience for worldwide internal users for the testing process of Enterprise and Client SSDs
- Collaborated with the machine learning team to integrate predictive and diagnostic models with real-time data for failure analysis
- Reduced manual efforts by more than 50% by developing an interface to automate workflow for Cadence schematics and hardware simulations using ASP.NET and Entity Framework, resulting in department-wide adoption

PROJECTS

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 warehouse 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

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.

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

LEADERSHIP

- Developer Student Club by Google - Orchestrated cloud study jams, 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