Prathmesh Savale

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Education

The University of Texas at Austin
Master of Science, Business Analytics, 4.0 GPA May 2023
Coursework: Advanced Machine Learning, Time Series Analysis, Unsupervised Learning, Optimization

University of Pune
Bachelor Degree, Computer Engineering, First Class with Distinction May 2015
Coursework: Database Management Systems, Data Structures and Algorithms, OOP, Theory of Computation

Experience

HP Inc.- *Data Scientist, Bangalore, India* January 2021–June 2022
– Increased Smart Advance adoption rate by 13% and retention by 30% on HP Smart App using descriptive analytics
– Mentored 8 team members on Lookml development and partnered with 5 cross-functional teams to deliver HP Smart App usage reports to the global head of HP Print Software and Future Product Marketing
– Collaborated with 4 product owners and 2 marketing directors to devise customer cohorts to target top 5% power users translating to the expansion of HP Instant Ink and Smart Advance subscriptions by 13%
– Performed A/B testing on Smart App coach marks and value proposition text to improve app user experience

Fosfor LTI - *Data Science Specialist, Bangalore, India* May 2020–January 2021
– Led a team of 4 data scientists to develop a novel anomaly detection module for Lumin using PySpark
– Partnered with Sales and Marketing teams to support the launch of product across retail and banking sectors

Kiewit Corporation - *Data Science Consultant, Bangalore, India* October 2018–May 2020
– Enhanced throughput of Kiewit's Buckskin Mine by 12% using LSTM networks to preemptively anticipate breakdown of the coal-carrying Caterpillar haul trucks and minimized downtime of repairs by 30%
– Additionally improved the predictive maintenance model by 10% using rolling, tumbling, and hopping aggregates to engineer features from the truck's sensor data
– Developed a text classification framework for Kiewit finance using LSTM and GloVe to tag commodity procurement invoices with SAP Ariba taxonomy, helping verify expenditure and reduce fraudulent supplier claims by 20%

Mu Sigma Inc.- *Decision Scientist, Bangalore, India* September 2015–October 2018
Tesco - Bus One Forecast November 2016–October 2028
– Devised a time series-based ensemble to forecast sales with an accuracy of 98%
– Formulated methods to decrease runtime of grid search for parameter tuning and parallelized model building for 2500 retail stores and 3600 products supplementing PySpark to diminish execution time by 70%
Apple - Repair Center Operations and Analytics September 2015–November 2016
– Created a boosted trees ensemble to predict propensity of a device failure post repair, which lead to a 3% reduction in failure rate; proposed cascading classifiers to minimize collateral damage by 15% during prediction
– Deployed the analytical solution utilizing Turi Create and Jenkins saving approx 40 person-hours each week

Skills

Programming: Python, PySpark, R, SQL, LookML, Bash
Computational programming: numpy, pandas, tidyverse, Scikit-learn, Statsmodel, Keras
Statistical analysis: Regression, Bagging, Boosting, Ensemble, Time Series Analysis, Hypothesis testing
Tools and deployment: Jupyter, Snowflake, Spark, Git, Looker

Additional Information

Work Eligibility: Extended eligibility to work in the U.S.; will require visa sponsorship for long-term employment