PRATHMESH SAVALE

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EDUCATION

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

University of Pune May 2015
Bachelor degree, Computer Engineering
- Overall Grade: First Class with Distinction

EXPERIENCE

HP Inc. – *Data Scientist,* Bangalore, India January 2021 - June 2022
- Boosted Smart Advance premium feature adoption rate by 13% and retention by 30% on the HP Smart App
- Collaborated with 4 product owners and 2 marketing directors to devise customer cohorts using HP Smart App usage data to target top 5% of power users, expanding HP Instant Ink and Smart Advance premium subscriptions by 13%
- Mentored 8 team members on Lookml development and partnered with 5 cross functional teams to deliver usage reports to the global head of HP Print Software and Future Product Marketing for the newly launched features

Fosfor - LTI – *Data Science Specialist,* Bangalore, India May 2020 - January 2021
- Led team of 4 data scientists to develop, customize and deploy a novel anomaly detection framework - Lumin for Fosfor; partnered with Sales and Marketing teams to support launch of product in retail and banking sectors

Kiewit Corporation – *Data Science Consultant,* Bangalore, India October 2018 - May 2020
- Enhanced throughput of Kiewit's Buckskin Mine by 12% utilizing predictive maintenance
- Built a classification framework of LSTM networks to preemptively anticipate breakdown of the Caterpillar haul trucks at Buckskin to minimize downtime for repairs by 60%; additionally improved the AUROC by 20% using rolling, tumbling, and hopping aggregates to engineer features from 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 40%

Mu Sigma Inc – *Decision Scientist,* Bangalore, India September 2015 - October 2018
- Devised a time series-based ensemble to forecast sales with an accuracy of 98% for the biggest retail chain in UK
- 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 80%
- Created a boosted trees ensemble for supply chain team of the world’s largest consumer electronics company to anticipate electronic device failures, which lead to a 3% reduction in failure rate translating to a cost reduction of $1.8 million annually in logistics and inventory management
- Proposed cascading classifiers to minimize collateral damage by 30% while predicting device failures; automated model building and deployment of analytical solution utilizing Jenkins saving ~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, Hypothesis testing
Tools and deployment: Jupyter, MySQL, Spark, Git, Looker

ADDITIONAL INFORMATION

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