

# ATUL MOHAN KAMBLE

716-495-4829 | [kambleatul@hotmail.com](mailto:kambleatul@hotmail.com) | [linkedin.com/in/atulmkamble](https://www.linkedin.com/in/atulmkamble) | [github.com/atulmkamble](https://github.com/atulmkamble)

## WORK EXPERIENCE

### Medline Industries

Senior Data Scientist

Pune, Maharashtra

October 2020 – August 2021

- Led a team of 4 while ascertaining actionable insights, accuracy, and integrity around the data. Conceptualized, architected, and developed 4 end-to-end data science projects ameliorating the team efficiency by 25%.
- Implemented multiprocessing demand forecasting models for 52 branches, improving the forecast and accuracy by 15%, saving inventory costs of around **\$15 million per month**.
- Executed supervised learning classification, random forest model, to enhance the ship date accuracy by 17% at 52 branches having more than 50,000 materials each. Applied A/B Testing on a selected set of merchants for testing.
- Introduced the data science pipeline decreasing the development time by 20%. Designed Streamlit and Tableau dashboards to communicate the project outcomes to the stakeholders facilitating explainable artificial intelligence.

### Bitwise Solutions

Data Scientist

Pune, Maharashtra

July 2017 – October 2020

- Led a team of 9 to accomplish 5 end-to-end data science projects boosting the team productivity by 25%. Spearheaded coaching and mentoring of team members and junior data scientists on data science techniques.
- Collaborated with cross-functional teams to understand client requirements as per business domains, developed the prototypes, and presented to 12 clients, leading to an increased client conversion rate of 40%.
- Programmed champion challenger model (random forest and support vector machine) to revamp credit card chargeback cases win proportion by 3% for merchants.
- Contributed to a recommendation engine on AWS SageMaker to recommend menu items based on historical orders, which triggered an increase of 5% in order size.

### Tata Consultancy Services

Data Analyst/Engineer

Pune, Maharashtra

February 2014 – July 2017

- Managed a team of 6, completing 4 ETL (Extract, Transform & Load) and data warehouse projects. Acquired six sigma green belt certification by optimizing and tuning Informatica workflows to save \$33,000 monthly.
- Strategized a proof of concept for Teradata TPT usage in Informatica PowerCenter workflows cutting down the daily load time by 70%, moving the processing on the database end.
- Achieved ETL performance tuning by identifying workflow bottlenecks and applying source filters, connected lookups optimization, and partitioning to lower the daily load time by 25%.
- Designed reports and dashboards in Tableau to communicate and amend the daily data loads visibility by 60% to the end clients and senior leadership.

## EDUCATION

### University at Buffalo, The State University of New York

Master of Science in Data Science

Buffalo, New York

Expected February 2023

### University of Pune

Bachelor of Engineering in Computer Engineering

Pune, Maharashtra

August 2013

## SKILLS

- **Programming Languages:** Python (scikit-learn, numpy, pandas, matplotlib, tensorflow, OOP), R, SQL
- **Big Data:** Spark, PySpark, MLlib, Hadoop, Hive, Kafka
- **Data Science and Miscellaneous:** Machine learning (ML), Supervised and unsupervised learning, Hypothesis testing, Statistics, Deep learning, Time Series, Recommendation Engine, A/B testing, Experimental design, Data science pipeline (cleansing, wrangling, visualization, modeling, interpretation, deployment, retraining), Tableau, Google Data Studio, Streamlit, TabPy, MLOps (MLflow, Kubeflow), ETL, Informatica PowerCenter, Talend Big Data, Git, JIRA
- **Databases:** Google BigQuery, Azure SQL, MongoDB, Teradata, Oracle, Microsoft SQL Server, MySQL
- **Cloud Platforms:** Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Azure
- **Domains:** Banking, Credit Card, Supply Chain Management, Inventory Management, Aviation, Entertainment

## PROJECTS

---

**Inventory Demand Forecasting:** Python, Time Series Analysis, Microsoft Azure, Azure ML

- Streamlined Advanced Planning and Optimization (SAP APO) with object-oriented python programming to enhance the forecast by 15%.

**Vendor Ship Date Prediction:** Python, Microsoft Azure, Azure ML, Tableau

- Executed data science pipeline including model retraining architecture to implement classification algorithms to improve the ship date accuracy by 17%.

**Merchant Dispute Chargeback Probability Prediction:** Python, Google ML Engine, Google Data Studio & BigQuery

- Headed prediction for client/acquiring bank to represent merchant chargeback cases to strengthen the win proportion by 3%. Utilized A/B testing on a chosen set of merchants to test the ML model.

**Merchant Attrition Prediction:** Python, TensorFlow, Google Cloud Composer, Google Data Studio & BigQuery

- Facilitated the client/acquiring bank to identify churning merchants and amend the churn rate by 7%.

**Merchant Pricing Optimization:** Python, TensorFlow, Google Cloud Composer, Google Data Studio & BigQuery

- Excelled merchant prediction with 85% accuracy to adjust transaction charges and maximize the revenue of the client/acquiring bank.

**Food Recommendation Engine:** Python, Amazon SageMaker, Amazon Redshift, AWS

- Counseled a recommendation engine productionization to suggest products while checking out to add the relevant products to the cart and grow order size by 5%.

**Aviation Data Lake:** Informatica PowerCenter, Talend Big Data, Teradata, Oracle, Tableau, Shell Scripts

- Aided minimization of the daily load runtime by 24% integrating 7 ERP in Informatica PowerCenter and Talend Big Data. Established a data lake to be utilized by the business vertical.

## PUBLICATION

---

A Survey on CIMDS: Adapting Post Processing Techniques of Associative Classification for Malware Detection, **Atul Kamble**, Prasad Kadam and Hardik Bhangale, International Journal of Engineering and Advanced Technology (IJEAT), December 4, 2012

## AWARDS & LEADERSHIP

---

- **Mentor**, Coaching seven students in data science, January 2018 - Present
- **Result Focused Award**, Medline Industries, April 2021
- **Support Catalyst Award - Rigor in Operation**, Tata Consultancy Services, September 2016
- **Star of the Month Award**, Tata Consultancy Services, August 2016