

Pritish Kamble

Data Scientist

New York, USA | 716-295-3568 | prithishkamble7@gmail.com | www.linkedin.com/in/prithish-kamble

SUMMARY

Data Scientist with 5+ years of experience in building scalable machine learning and analytics solutions across marketing and finance industries. Skilled in Python, SQL, ML and cloud platforms. Proven track record of delivering business impact through predictive modeling, A/B testing, and dashboarding. Strong research background with 11 published papers in top journals (IEEE, Springer) and a master's thesis focused on antenna design and optimization. Passionate about using data to drive decisions and solve real-world problems.

SKILLS

Programming & Scripting: Python (Pandas, NumPy, Scikit-learn, Seaborn, TensorFlow, PyTorch), R, SQL

Machine Learning & AI: Predictive Modeling (Linear/Logistic Regression, Time Series, Forecasting), Bayesian Methods, Decision Trees, Random Forest, SVM, K-Means Clustering, K-Nearest Neighbors (KNN), Naive Bayes, XGBoost, Sentiment Analysis, NLP (Spacy, NLTK, Transformers), LLMs (OpenAI, Hugging Face, LangChain), Deep Learning (CNN, RNN, LSTM), RL, Model Interpretability (SHAP, LIME, XAI)

Statistical Modeling: Hypothesis Testing (T-test, Chi-Square, ANOVA), A/B Testing, Experimental Design, Bayesian Inference

Databases: MySQL, PostgreSQL, SQL Server, Oracle, MongoDB, BigQuery, Snowflake

Data Engineering & Pipelines: ETL, Data Cleaning, Feature Engineering, Apache Airflow, Spark (PySpark), REST APIs, Data Integration

Data Visualization & BI Tools: Tableau, Power BI, Looker Studio, Matplotlib

Cloud & Big Data Platforms: AWS (S3, EC2, SageMaker), GCP (Vertex AI), Azure ML, Databricks

Project Management & Methodologies: Agile/Scrum, JIRA, Stakeholder Engagement, Cross-Functional Team Collaboration

Soft Skills: Communication, Problem-Solving, Strategic Thinking, Collaboration, Business Acumen

RESEARCH

Master's Thesis: Novel 120° Sectoral Microstrip Antenna Design | Mumbai University **May 2016 – Feb 2019**

- Proposed and developed a novel 120° sectoral microstrip antenna design, achieving a 20% bandwidth enhancement and broadside radiation patterns, addressing critical gaps in bandwidth and gain optimization for MSAs.
- Engineered advanced gap-coupled and stacked configurations, achieving a 10% bandwidth increase and uncovering higher-order mode interactions through comprehensive modal analysis, enhancing performance for wireless systems.
- Authored 11 research papers published in prestigious journals and conferences (IEEE, Springer), contributing significant advancements in bandwidth optimization, modal analysis, and wideband response techniques. [[Google Scholar Link](#)]

EXPERIENCE

KGS Technology Group, USA | Data Scientist

Feb 2025 - Current

- Developed and deployed advanced predictive models for customer behavior analysis, driving a 30% increase in the effectiveness of targeted marketing campaigns by delivering more personalized experiences.
- Built ML models (Random Forest, SVM) for employee engagement and attrition, to accelerate hiring decisions by 15%.
- Improved market research team performance by 11% through activity monitoring, KPI development, and exploratory data analysis (EDA) on Salesforce data using advanced SQL.
- Led the end-to-end model development, feature engineering, model selection and hyperparameter tuning to optimize model accuracy.
- Conducted A/B testing on promotional email campaigns, leading to an 8% uplift in conversion rates.
- Collaborated with stakeholders to deliver insights using Power BI dashboards (DAX, Power Query), monitored key performance indicators (KPIs), and optimized marketing strategies based on scheduled and ad-hoc performance reports.
- Utilized Agile scrum methodologies to adapt to evolving project needs, delivering iterative solutions and ensuring timely adjustments.

JerseySTEM, USA | Data Scientist

Feb 2024 – Jan 2025

- Conducted exploratory data analysis (EDA) on real-time and historical employee data using Python, visualizing trends with Matplotlib and Looker, resulting in an 11% reduction in operational inefficiencies.
- Developed predictive models for employee engagement and attrition using algorithms like Logistic Regression, Random Forest and XGBoost improving retention strategies.
- Leveraged NLP and LLMs to develop a classification model to categorize text (files, paragraph) based on specific aspects.
- Built a data management app with AppSheet, integrating anomaly detection algorithms to enhance data access efficiency by 30% and reduce error rates by 20%, while improving user engagement by 12% with Figma-designed UI/UX.

Codewrap Software Solutions, India | Data Analyst

March 2019 - July 2022

- Developed and deployed ML models (Logistic Regression, XGBoost) on a dataset of 2 million records to improve credit default prediction accuracy, enhancing risk management for 30,000 accounts and reducing financial losses.
- Performed data modeling and conducted analysis using Python and complex SQL queries (joins, CTE, views, indexing) on MySQL.
- Automated data processing and feature extraction workflows using Python and SQL, reducing the data processing time by 20%.

EDUCATION

Master of Science in Data Science | SUNY University at Buffalo, Buffalo, New York, USA

Master of Engineering in Electronics and Telecommunication Engineering | Mumbai University, Mumbai, India

Bachelor of Engineering in Electronics and Telecommunication Engineering | BAMU, Aurangabad, India

CERTIFICATIONS

Introduction to Apache Kafka - datacamp

Introduction to Apache Airflow in Python - datacamp

Deeplearning.ai TensorFlow Developer Specialization - Coursera

Google Data Analytics Certification. (Current Pursuing)