

# PRIYA SHARMA

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## PROFESSIONAL SUMMARY

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Data Scientist with 5 years of experience building machine learning models and data pipelines for Fortune 500 companies. Specialized in NLP, recommendation systems, and predictive analytics. Published researcher with 3 papers in top-tier ML conferences.

## EXPERIENCE

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Senior Data Scientist | FinanceAI Corp | New York, NY | 2022 - Present

- Built fraud detection model using XGBoost and deep learning, reducing false positives by 40% and saving \$12M annually
- Developed customer churn prediction system with 92% accuracy, enabling proactive retention campaigns
- Led team of 3 data scientists on NLP project extracting insights from 10M+ customer support tickets
- Implemented MLOps pipeline using MLflow and Kubeflow, reducing model deployment time from 2 weeks to 2 days
- Presented technical findings to C-suite executives, translating complex ML concepts into business recommendations

Data Scientist | RetailTech Solutions | New York, NY | 2020 - 2022

- Created product recommendation engine increasing cross-sell revenue by 25% (\$8M annual impact)
- Built demand forecasting model reducing inventory costs by 15% across 500+ SKUs
- Developed A/B testing framework used by product team for 50+ experiments quarterly
- Automated data quality monitoring, reducing data pipeline incidents by 60%

Junior Data Scientist | Analytics Startup | Boston, MA | 2019 - 2020

- Performed exploratory data analysis on 50GB+ datasets using Python and SQL
- Built customer segmentation models using K-means clustering and RFM analysis
- Created interactive dashboards in Tableau for executive reporting

## EDUCATION

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Master of Science in Data Science | Columbia University | 2019

### - GPA: 3.9/4.0

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- Thesis: "Deep Learning Approaches for Financial Time Series Prediction"

Bachelor of Science in Statistics | Boston University | 2017

- Magna Cum Laude

## SKILLS

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Languages: Python, R, SQL, Scala

ML/AI: TensorFlow, PyTorch, scikit-learn, XGBoost, Hugging Face

Data: Spark, Hadoop, Airflow, dbt, Snowflake

Tools: MLflow, Kubeflow, Docker, Git, Jupyter

Techniques: NLP, Computer Vision, Time Series, Recommendation Systems

## PUBLICATIONS

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- "Transformer-based Fraud Detection in Financial Transactions" - NeurIPS 2023
- "Efficient Feature Engineering for High-Cardinality Data" - KDD 2022
- "Multi-Task Learning for Customer Lifetime Value Prediction" - ICML 2021