

# Data Scientist

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## Summary

Data scientist with five years building and deploying predictive models in Python, fluent in scikit-learn and PyTorch, focused on putting models into production where they move revenue, retention, and forecast accuracy.

## Experience

### Data Scientist, Northgate Data Sciences

2021 – Present

*City, ST*

- Deployed a gradient-boosted churn model that improved 90-day retention 11% and protected an estimated \$1.3M in annual revenue.
- Built a demand-forecasting pipeline that lowered forecast error (MAPE) from 19% to 8%, trimming overstock cost 24%.
- Productionized a recommendation model in PyTorch serving 600K daily users with 70ms inference latency.
- Designed an experimentation framework that let the team validate 40-plus model changes against holdout groups.
- Reduced model training time 5x by refactoring feature pipelines with vectorized pandas and Spark.
- Partnered with engineering to ship a real-time fraud score that cut chargebacks 31% in its first quarter.
- Established model-monitoring dashboards that caught two silent data-drift regressions before they hit revenue.

### Junior Data Scientist, Coastline Research Group

2019 – 2021

*City, ST*

- Trained a customer-segmentation clustering model that informed a campaign lifting conversion 14%.
- Engineered 80-plus features from raw transaction logs, improving baseline model AUC from 0.71 to 0.84.
- Wrote reproducible notebooks and a feature store that cut a teammate's experiment setup time in half.
- Built an NLP classifier categorizing 50K support tickets weekly at 92% accuracy.
- Presented model findings to non-technical executives, turning a forecast into an approved hiring plan.
- Validated training data for leakage and bias, reworking a model that had over-fit on a proxy feature.

## Education

### Master of Science in Statistics

2017 – 2019

*State University — City, ST*

### Bachelor of Science in Mathematics

2013 – 2017

*State University — City, ST*

## Certifications & Licenses

AWS Certified Machine Learning – Specialty

**Skills**

Python · scikit-learn · PyTorch · Machine learning · Feature engineering · Statistics · SQL · Spark · Model deployment · Experimentation · NLP · Data visualization