SAMPLE RESUME FOR STUDENT REFERENCE - fictional companies, projects and metrics. Replace every detail with your own real experience before applying.

Xxxx

Data Scientist | Machine Learning, NLP & Analytics

Chennai, India | +91-XXXXXXXXXX | Xxxx | Xxxx | Xxxx

PROFESSIONAL SUMMARY

Data Scientist with 4+ years of experience turning customer and operational data into predictive models and business insights. Skilled in Python, SQL, statistics, experimentation and machine learning, with practical experience in churn prediction, demand forecasting and NLP. Works with product and engineering teams to define useful metrics, prevent data leakage and move validated models into monitored applications.

TECHNICAL SKILLS

Programming & Analysis: Python, SQL, Pandas, NumPy, SciPy, Jupyter, exploratory data analysis

Statistics & Experimentation: Hypothesis testing, confidence intervals, A/B tests, sample-size planning, regression, cohort analysis

Machine Learning: scikit-learn, XGBoost, LightGBM, classification, regression, clustering, feature engineering, SHAP

Forecasting & NLP: Time-series validation, lag features, demand forecasting, spaCy, sentence embeddings, text classification

Data & Delivery: PostgreSQL, AWS S3, SageMaker, MLflow, FastAPI, Docker, Git, Tableau, Power BI

WORK EXPERIENCE

Data Scientist

Estuary Metrics Labs Pvt Ltd, Chennai | *Jan 2024 - Present*

- Built a subscription-churn model using 120,000 anonymized customer records; improved PR-AUC from 0.41 to 0.58 on an out-of-time test set with a 14% churn rate.
- Engineered usage, payment and support features with SQL and Pandas; applied customer-level splits and excluded post-cancellation signals to prevent leakage.
- Designed a retention A/B test with a product analyst; the test group recorded a 7% relative reduction in 60-day churn, with a 95% confidence interval of 2% to 12%.
- Developed weekly demand forecasts for 240 product-location series; reduced weighted absolute percentage error from 26% to 19% against a seasonal-naive baseline.
- Used SHAP summaries and cohort dashboards to explain model behavior, document limitations and agree on review thresholds with business teams.
- Worked with engineers to serve batch scores through SageMaker pipelines and added checks for missing data, distribution shifts and delayed outcome labels.

WORK EXPERIENCE (CONTINUED)

Associate Data Scientist

Copperleaf Analytics Studio Pvt Ltd, Chennai | Jul 2022 - Dec 2023

- Built Python and SQL pipelines to combine sales, customer and campaign data; reduced weekly report preparation from six hours to two hours.
- Created an NLP classifier for support requests using TF-IDF and linear models; reached 0.83 macro-F1 on a held-out set and documented low-confidence categories for manual review.
- Segmented customers using recency, frequency and monetary-value features; helped analysts compare campaign response by segment rather than relying on aggregate averages.
- Maintained experiment notebooks, reusable validation functions and Power BI dashboards; reviewed metric definitions with finance and operations teams.

KEY PROJECTS

Retention Prioritization Model | Estuary Metrics Labs

Built an end-to-end churn workflow with a reproducible feature snapshot, baseline comparison, probability calibration and lift-at-capacity analysis. Published model cards describing training dates, segment performance and retraining triggers.

Demand Planning Workbench | Estuary Metrics Labs

Compared gradient-boosted lag-feature models with seasonal baselines using rolling-origin validation. Added holiday and promotion features, prediction intervals and a dashboard for analyst overrides and forecast-error review.

Customer Feedback Explorer | Personal Project

Grouped 25,000 synthetic product reviews with sentence embeddings and clustering. Added sentiment trends and searchable examples in Streamlit, with manual checks to avoid treating cluster labels as proven customer intent.

EDUCATION

B.Tech. Information Technology

Harbour Crest College of Engineering, Chennai | 2018 - 2022 | CGPA: 8.4/10

CERTIFICATIONS

- Applied Data Science Professional - Peninsula Analytics Academy, 2025
- Business Experimentation and Causal Analysis - Baylight Learning Centre, 2024
- Python and SQL for Analytics - Harbour Crest Skills Academy, 2022