

Amelia Joshi

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## Summary

Highly accomplished Data Scientist with [3 years] of experience in leveraging data to drive insights and business value. Proven track record of building and deploying machine learning models that solve complex problems across various industries. Skilled in data wrangling, analysis, visualization, and communication of technical findings to non-technical audiences. Passionate about continuous learning and staying at the forefront of data science advancements.

## Experience

Senior Data Scientist, Acme Corporation, Seattle, WA

Led a team of data scientists in developing and deploying a machine learning model that increased customer retention rate by 15%.

Project: Customer Churn Prediction. Techniques: Survival Analysis, Random Forests.  
Outcome: Saved the company millions in lost revenue

Built and maintained a real-time fraud detection system using anomaly detection techniques, resulting in a significant reduction in fraudulent transactions.

Project: Real-Time Fraud Detection. Techniques: Isolation Forest, LSTMs. Outcome:  
Reduced fraudulent transactions by 20% within the first month

Utilized natural language processing (NLP) to analyze customer reviews and social media sentiment, providing actionable insights to marketing and product development teams.  
Project: Social Media Sentiment Analysis. Techniques: TextBlob, Vader Sentiment Analysis.  
Outcome: Identified key customer pain points and informed product roadmap decisions

Mentored junior data scientists and fostered a collaborative data science culture within the organization.

Data Scientist, Data-Driven Solutions Inc., San Francisco, CA - [2/10/2022] - [3/8/2023]

Developed and implemented predictive models for churn prediction, targeted marketing campaigns, and market basket analysis, leading to significant revenue growth.

Project: Multifaceted Sales Prediction. Techniques: XGBoost Regression, Collaborative Filtering. Outcome: Increased sales by 10% through targeted promotions and product recommendations

Performed A/B testing and statistical analysis to optimize website conversion rates.

Project: Website Conversion Rate Optimization. Techniques: A/B Testing with Hypothesis Framework, Chi-Square Test. Outcome: Increased website conversion rate by 5% through layout and call-to-action refinements

Effectively cleaned, wrangled, and transformed large datasets for analysis using tools like Pandas and Spark.

Created compelling data visualizations using Tableau and Power BI to communicate insights to stakeholders.

## Education

Master of Science in Data Science, [Colardo], [Michigan] - [2023]

Bachelor of Science in [Computer Science], [PES], [Bangalore] - [2021]

## Skills & Certifications

Programming Languages: Python (Expert), R (Proficient), SQL (Expert)

Machine Learning Libraries: scikit-learn, TensorFlow, PyTorch

Data Visualization Tools: Tableau, Power BI, Matplotlib, Seaborn

Cloud Platforms: AWS, Azure, GCP

Data Wrangling & Cleaning Tools: Pandas, Spark

Version Control: Git

## Personal Projects:

Predicting Stock Prices with Time Series Analysis. Techniques: ARIMA, Prophet. Outcome: Developed a model that achieved a competitive accuracy on historical stock price data

