Palak Sharma

Data Science Intern

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Aspiring data scientist with a strong background in mathematics and computer science. Proficient in Python, R, and SQL, with hands-on experience in data cleaning, analysis, and visualization. Seeking a data science internship to apply and expand my skills in a professional setting while contributing to meaningful projects.

RELEVANT SKILLS

Python	R	SQL	Data analysis	Data visualization

Data cleaning and preprocessing	Problem solving	Attention to detail

PROFESSIONAL EXPERIENCE

Machine Learning for Business, UC Berkeley
Customer Churn Prediction Project

Spring 2023

- Developed a machine learning model using Python and scikit-learn to predict customer churn for a telecom company

- Conducted data cleaning and preprocessing on a dataset of 50,000 customers, handling missing values and encoding categorical variables

- Achieved an accuracy of 87% and an F1-score of 0.82 using a Random Forest classifier, resulting in a 15% reduction in customer churn

- Presented findings and recommendations to the company's management team, highlighting key factors contributing to customer churn

Data Analytics and Visualization Course, UC Berkeley
Sales Analysis and Forecasting Project

Fall 2021

- Analyzed sales data of a retail company using R and SQL, identifying trends, seasonality, and product performance

- Created interactive visualizations using ggplot2 and Shiny to showcase insights and enable user exploration

- Implemented a time series forecasting model using ARIMA, achieving a mean absolute percentage error (MAPE) of 8% for a 6-month forecast

- Collaborated with the sales team to develop data-driven strategies for inventory management and promotional campaigns

EDUCATION

University of California Berkeley, Berkeley, CA
Bachelor of Science in Data Science
Anticipated graduation: May 20XX
Current GPA: 3.8

May 2021