Naman Satiya

Data Enthusiast, Critical Thinker, Avid Reader, Paraglider, Numismatist
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A specialized generalist with a strong focus on delivering value and a strong bias for actionable insights. Have one foot in data, and the other everywhere across the organization.

Willing to relocate: Anywhere
Sponsorship required to work in the US

Work Experience

Datathon: Medical Appointment no-shows | Best Data Analysis Award
Data Club, Duke University
November 2021 to November 2021

• Performed Exploratory Data Analysis and trained a Random Forest model to find the characteristics of medical patients who tend to miss out on their doctor appointments in a 30hr competition, with an F1-score of 0.79.
• Assessed the problem of a skewed dataset (20%) by generating four derived features and finding recall-precision balance based on the Cost-Function.

Kaggle: Classical Music Meets Classical ML
Duke University
September 2021 to November 2021

• Trained and implemented an ensemble model to predict customers who will buy subscription tickets to next year's orchestra performance, with AUROC = 0.97.
• Utilized Logistic Regression, Random Forest, KNN, and Decision Trees to train the model and reinforce with
Confusion Matrix, Cross-Validation, and Hyperparameter tuning to improve results by 18% over baseline.

Customer Segmentation - Grocery Store
Duke University
September 2021 to November 2021

• Manipulated 27-feature grocery store data to find customer characteristic insights with the highest sale value, using Logistic Regression with an accuracy score of 0.86 to identify a new segment with 22% higher spending.
• Proposed a marketing plan with coupons and offers for a potential boost of 11% in total revenue.

iWear - Business Idea Award
Data Club, Duke University
August 2021 to November 2021

• Developed a business model for an AI-based app that assists everyone in finding the perfect fitting shoe with just two photos, using market analysis and strategy comparison.

• Generated a wireframe, determined the algorithm and database requirements, assumed the role of Chief Vision
Officer, and pitched the idea in the competition.

Engineering Associate

Johnson Controls (India) Pvt Ltd. - Mumbai, Maharashtra
October 2018 to May 2021

• Engineered algorithms to configure HVAC equipment for 150+ projects in the northeastern US, including major hospitals, university buildings, airports, and corporate spaces using Function Block (FB) programming.
• Programmed database and supervisory level logic for smooth communication between systems, produced trends, and created pop-up alarms to assist easy debugging for customers.
• Created 4 Excel VB scripts to automate repetitive tasks, saving 40+ hours among four different projects.
• Assisted project leads in reviewing 50+ new projects and developing 'Query Sheets', reducing ~30% re-work.
• Conducted 2 Kaizen trainings, evaluated 100+ idea submissions, and assisted in implementing 6 ideas as a core member of the Kaizen Innovation Team.

Analyst Intern

Robert Bosch Engineering & Business Solutions Limited. - Bengaluru, Karnataka
June 2017 to July 2017

• Built algorithms for data preprocessing, filtration, and bench-marking electrical machines to develop 'Integrated Energy Platform' reducing data gaps by 12%.
• Developed customizable turnkey modules to evaluate outliers, pinpoint electrical anomalies, and create visualizations of the most critical parameters.

Education

Master of Engineering Management in Data Analytics and Machine Learning track

Duke University - Durham, NC
August 2021 to December 2022

Skills

• Python (NumPy, Pandas, Scikit-Learn)

• Excel (VBScript, Pivot, Macros)

• Jupyter

• Statistics
  Data Concept:Machine Learning

• Causal Inference

• AB Testing

• PCA

• EDA

• Predictive Analytics

- Regression
  Data Visualization: Tableau

- Excel

- PowerPoint
  Database Language: MySQL

- SQL Server

- Business Analysis

- SQL

- Regression Analysis

- Data Modeling

- VBA (1 year)

Links

http://linkedin.com/in/satiyanaman