KEVIN DOSHI

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PROFESSIONAL EXPERIENCE

Hewlett Packard Enterprise Company

Data Scientist IV | Austin, Texas   **January 2022 – Present**
- Leading the development of machine learning model to determine the misclassified purchase orders based on the key components using Python to reduce human efforts by 25 hours a month.
- Creating an E2E solution for HPE's Chief Information Officer (CIO) to track performance & resiliency of mission critical applications using GraphQL, Vertica & Power BI.
- Analyzed quotes to identify weekly & hourly seasonality to understand user behavior by regions and its impact on mission critical applications.
- Engineered a solution to streamline and automate budget management operations to maintain organization's budget in a robust way, resulting in near real time visibility & 30% reduction in human efforts every month using Python, SQL.
- Forecasted sell-out of HPE's products in SMB market for upcoming quarters across multiple countries using historical data & other global economic indicators by designing time series models using R, SQL.

Data Scientist III | Roseville, California   **January 2020 – December 2021**
- Developed a production ready machine-learning model to detect anomalies and potential frauds in the purchase orders resulting in reducing review of ambiguous POs for attorneys by 50% using Python, SQL.
- Designed a machine learning model using K-Means algorithm to cluster similar vendors based on cosine similarity index from credit-card transactions to get a consolidated spend across HPE.
- Performed topic analysis using Latent Dirichlet Allocation algorithm and sentiment analysis to extract meaningful insights from executive survey data in-order to identify improvement opportunities for internal teams using R.
- Developed a data pipeline to integrate more than 300 million rows from 2 different data sources efficiently and performed calculations to detect grey marketing activities of HPE products.
- Built a framework for the team to automate data loads from SharePoint sites which results in saving of 20 hours of human efforts per week using Python and REST APIs.
- Spearheaded development of a web-based application using Django to get user's feedback on the model results that reduced human efforts by 5%.
- Designed data pipeline to automate loads from 7 different data sources and calculated carbon emissions to understand HPE's carbon footprint using web scraping technologies, SQL, Python which saves company $50K annually.

IT Engineer – Analytics | Santa Clara, California   **September 2018 – January 2020**
- Automated data loads and developed visualization of various Networking and Campus use-cases using Python, SQL
- Defined key performance indicators (KPIs) for various networking, campus, and security use-cases.
- Designed interactive real-time dashboards and executive reports for the senior management & marketing team.
- Developed an advanced analytical solution for the networking team to identify network threats and alerts using Python, PySpark, Natural Language Processing (NLP) Toolkit
- Built dashboards to monitor Conference room usage, Guest Registration, Service Desk Metrics using Microsoft Power BI.

Data Engineering Intern | Santa Clara, California   **May 2018 – August 2018**
- Gathered requirements and designed a database architecture for the Radio Frequency test data.
- Remodeled legacy analysis tool using SQL, Python, VBA which resulted in 30% reduction of human efforts.
- Performed Regression Analysis to reduce the number of test flows which reduced the testing time by 20% using Python, SQL.

RESEARCH PROJECTS

Forecasting Currency Exchange Rate   **December 2018**
- Performed Time-Series analysis on exchange rate of United States Dollars and Indian Rupees for last 44 years using R.
- Implemented and evaluated forecasting models that predicted exchange rate for next year with least root mean square errors.

EDUCATION

Rutgers University, Rutgers Business School – Newark & New Brunswick, New Jersey   **January 2019**
Master of Information Technology and Analytics   **GPA:** 3.80/4

University of Mumbai - Mumbai, India   **May 2017**
Bachelor of Engineering, Information Technology   **GPA:** 3.73/4

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, R, Java, C, VBA, PySpark, Hive
- **Machine Learning & Statistical Techniques:** Time Series, Regression, Classification, Clustering, Tree-based algorithms
- **Data Visualization & Analytics Tools:** Microsoft Power BI, Tableau, Qlik Sense
- **Web Development Technologies:** Django, JavaScript, PHP, HTML, CSS