Kumar Rajmani Bapat

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Summary

Data Scientist / Analyst proficient in predictive modeling, data mining, Python, Excel, SQL, cloud platforms. Utilized SQL and Tableau for efficient data cleaning and visualization, enhancing efficiency by 35%. Known for being a creative problem solver with strong business acumen and leveraging analytical insights along with AI for real-world solutions

Professional Experience

Project Manager Intern, Azteca Enterprises, Dallas, Texas   May 2024 - Aug 2024
- Engineered an **automated financial data model** using advanced Excel functions, **reducing reporting time by 50%** and improving data accuracy, enabling the monitoring of **$150M in revenue**
- Developed and executed multiple experiment analyses using a **custom Python template**, including statistical analysis, to **detect anomalies in data, minimizing financial overhead by 20%**
- Migrated data from Airtable to Unanet, streamlining access and **reducing data management costs by 63%**
- Designed and implemented **Airtable dashboards** to monitor client opportunities, predicting Go/No Go decisions, **reducing decision-making time by 50% and improving efficiency**

Graduate Research Assistant (Data Visualization & Analytics), Northeastern University, Boston   Sep 2023 - April 2024
- Boosted assignment scores by 30% through dedicated office hours and **interactive python coding** walkthroughs
- Performed quantitative sentiment analysis on data to enhance learning experiences and monitor academic issues
- Developed and implemented a grade checker using **python scripts** to **automate process of comparing grades**
- Conducted Exclusive Lectures for the community of 65+ learners over **Coursera** that **increased enrollments 45 %**

Research Data Scientist Intern, India Meteorological Department, Bhopal (IN)   Dec 2020 - Nov 2021
- Developed an AI-driven **crop disease detection model**, enhancing crop monitoring and early disease detection
- Evaluated the model on a large dataset, **reducing workload by 60%** and improving multitasking capabilities

Data Science Intern, Indian Institute of Technology, Kanpur (IN)   Jun 2019 - Aug 2019
- Revamped customer churn prediction at Courses by implementing a Python-based predictive model, resulting in a 18% accuracy boost existing models, facilitating proactive customer retention strategies
- Strategically utilized Tableau, Python, and Google Analytics for report generation, enabling data-driven decision making and effective data visualization, culminating in a 30% boost in user experience
- Architected a Machine Learning algorithm for audience segmentation and recommended relevant education courses based on user behaviors, resulting in a 20% increase in enrollments
- Conducted thorough analyses of email, push, SMS, OTT, CTV, and other marketing campaigns to identify key performance factors, resulting in a 9% improvement in conversion rates, and a 10% increase in ROI

Projects

Credit Card Users Churn Prediction – Northeastern University   Aug 2023 - Sep 2023
- Developed a model using random forest, linear regression, KNN to predict credit card user churn with 88% accuracy
- Enhanced model performance through rigorous data preparation and feature selection, unveiling key churn-related features and leading to a significant 10% improvement in model accuracy

Cardio-Viz: Interactive Heart Disease Analysis & Prediction - Northeastern University   May 2023 - Jun 2023
- Implemented a Tableau-based predictive model for heart disease risk classification, achieving accuracy rate of 90%
- Leveraged predictive model insights for targeted health interventions, potentially reducing heart disease in high-risk group

Education

Northeastern University   Boston, MA
Master of Science, Data Analytics Engineering   Expected Dec 2024
- Relevant Courses: Data Analytics, Data Management, Computation and Visualization, Data Mining, Product Development, Advance Product Management

Medi-Caps University   Indore, IN
Bachelor of Technology, Computer Science Engineering (Specialization: Data Science)   May 2022
- Relevant Courses: Software Engineering, Data Science, Machine Learning, SQL, Natural Language Processing, NoSQL, Data Structure & Algorithms, Artificial Intelligence, Real Time Data Processing, Statistics Inference

Technical Skills

Analytics Skills: Python, Tableau, SQL, Excel, Google Analytics, Power BI, SAP, SAS, MATLAB, SPSS, Apache Spark
Programming: Python, Java, SQL, JavaScript, C++, PySpark, R, Gremlin, Cypher, C, GCP, Git, Linux, UNIX
Machine Learning libraries: Pandas, NumPy, Matplotlib, Seaborn, TensorFlow, OpenCV, Scikit-Learn
Databases: MySQL, Microsoft SQL Server, PostgreSQL, MongoDB, Snowflake, Oracle, AWS Neptune, HIVE

Certifications and Achievements

Unanet Certified CRM Administrator – 2024 – for creative data driven problem solving and data management
Oracle Certified Generative AI Professional – 2024 – for mastery in prompt engineering, LLM's and Oracle Cloud
Google Data Science and Machine Learning & Cloud Engineering Tracks – proficiency in cloud engineering and big query