Sreeja Kodati

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EDUCATION

Master of Science in Statistics and Data Science - University of Wisconsin-Madison, USA
Bachelor of Technology in Computer Science - ICFAI Foundation for Higher Education, India

SKILLS

Languages:	Python, SQL, R
Visualization Tools:	MS excel/ advanced Excel, Tableau, Power BI, Advanced Excel (Pivot Tables, VLOOKUP)
Methodologies:	SDLC, Agile (Scrum), Waterfall
Database:	MySQL, PostgreSQL, MongoDB, Oracle, T-SQL
Other Skills:	AWS, SAS, JIRA, SAP, SSIS, SSRS, Machine Learning Algorithms, Probability distributions, Hypothesis Testing, Regression Analysis, Linear Algebra, Data Mining, Data Visualization, Data warehousing, Data transformation, Clustering, Classification, Regression, A/B Testing, Forecasting & Modelling

EXPERIENCE

Data Analyst| Aurora Health Care, USA **Aug 2023 – Current**

- Implemented Agile (Scrum) methodology in project management, leveraging JIRA for task tracking and sprint planning, resulting in a 20% increase in operational efficiency by streamlining project workflows and improving team collaboration.
- Utilized Python for data cleaning, wrangling, and predictive modeling with Scikit-learn, achieving a 15% cost reduction in healthcare data analytics projects through automation of data processing tasks and enhanced accuracy in predictive insights.
- Implemented advanced data visualizations in Tableau, enhancing patient satisfaction by 25% through improved insights into patient demographics and treatment outcomes, facilitating targeted healthcare interventions and personalized care approaches.
- Integrated advanced Excel (Pivot Tables, VLOOKUP) for data validation and reconciliation in healthcare billing systems, improving data accuracy by 30% and ensuring compliance with financial reporting standards and billing accuracy.
- Implemented data warehousing solutions in AWS and utilized PostgreSQL for efficient data storage and retrieval, reducing data processing time by 40% and enabling real-time analytics for healthcare operations and decision-making.
- Utilized SAS for statistical analysis and reporting, achieving a 20% increase in clinical trial efficiency by accelerating insights into drug efficacy and patient outcomes, optimizing trial design and resource allocation.

Data Analyst| Adons Softech, India **May 2020 – Aug 2022**

- Supported a financial client in dissecting claims data, extracting insights from heterogeneous sources including flat files, Oracle, MongoDB, and Mainframes.
- Crafted interactive reports and visualizations in Power BI, leveraging slicers, filters, and calculated columns to facilitate drill-down and selection capabilities, enhancing navigability and customization for end-users.
- Monitored KPIs to enable the organization to track performance trends, detect deviations from targets, and implement preemptive measures to tackle challenges or capitalize on opportunities.
- Delivered and optimize query performance within the data warehouse by designing appropriate indexes, optimizing SQL queries, and leveraging partitioning and indexing strategies.
- Conducted comprehensive analysis and data processing of extensive datasets by aggregating information from Azure Cloud, internal databases, using SQL, achieving a 25% decrease in data processing time.
- Executed A/B testing and forecasting models, resulting in a 20% increase in marketing campaign effectiveness and a 15% enhancement in demand forecasting accuracy.

ACADEMIC PROJECTS

Analyzing Sephora Skincare Products and Reviews with NLP techniques

- Addressed questions pertaining to product popularity, top-reviewed products, patterns in customer feedback and preferences using Radom Forest Regressor model, NLP techniques and K-means clustering algorithm.
- Developed an interactive and customized FAQ retrieval chatbot interface utilizing the ChatGPT API, LangChain and VectorDB which answers queries from users using the set of provided documents.

Extracting popularity insights for Spotify data with Statistical Analysis and Parallel Computing

- Implemented various machine learning models such as Linear Regression, Random Forest Regressor, and MLP Regressor to predict song popularity using Spotify's defined set of 18 audio features.
- Conducted in-depth analysis on 45 genre-specific data files utilizing HTCondor’s parallel computing techniques to identify top correlated features within each genre, using each track's metadata analysis.

GreenEats: Food recommendation system with Named Entity Recognition (NER)

- Employed NLP techniques such as NER to extract dishes from Yelp reviews dataset and created a web application using Shiny to recommend the best vegetarian and vegan dishes in Philadelphia.