

Prudhvi Alaparthi

Data Analyst

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SUMMARY

Skilled Data Analyst with 3+ years of experience in data modeling, warehousing, and analysis, adept in SDLC, Agile, data manipulation, and visualization (NumPy, Pandas, Matplotlib, Scikit-learn, ggplot2), and proficient in Tableau, Power BI, and Azure for managing cloud-based data solutions and performing ETL, ingestion, pipelines, cleaning, and wrangling tasks.

SKILLS

Methodologies:	SDLC, Agile, Waterfall
Programming Languages:	SQL, Python, R, MATLAB
IDEs:	Visual Studio Code, PyCharm
Packages:	NumPy, Pandas, Matplotlib, Seaborn, Scipy, ggplot2
ML Algorithm:	Linear Regression, Logistic Regression, Decision Trees, Supervised Learning, Unsupervised Learning, Classification, SVM, Random Forests, Naive Bayes, KNN, K Means, CNN
Visualization Tools:	Tableau, Power BI, MS Excel, Alteryx
Cloud Technologies:	AWS, Azure, Databricks
Databases:	Oracle, MySQL, SQL Server, MongoDB, PostgreSQL
Other Tools:	Git, snowflake, power query, macro, SAS
Operating System:	Linux, Windows, Mac

EXPERIENCE

Pfizer, USA | Data Analyst

Jan 2024 - Present

- Applied Agile techniques to projects, ensuring objectives were met and delivering excellent outcomes on schedule.
- Conceptualized Matplotlib, Seaborn, and ggplot2, considered and executed captivating visualizations that increased the impact and clarity of data presentations by 25%.
- Used SAS for data manipulation, statistical analysis, and predictive modeling to derive insights and solve business problems.
- Implemented Decision Trees to create models that predict values by learning simple decision rules inferred from data features.
- Directed extensive data analysis initiatives utilizing SQL queries and Excel, extracting actionable insights to address dynamic business needs and effectively support strategic decision-making processes.
- Proficient working experience with SQL, PL/SQL, Database objects like Stored Procedures, Functions, Packages, Triggers and using the latest features to optimize performance like Bulk Binds, Inline views and Global Temporary Tables.
- Developed engaging Tableau dashboards for easy data exploration, enabling stakeholders to make informed decisions.
- Applied Supervised Learning techniques such as Support Vector Machines (SVM), Random Forests, and Naive Bayes for classification tasks to categorize data into predefined classes.
- Uncovered and addressed data anomalies by executing thorough data validation tests in Azure Data Factory pipelines, ensuring analytical outputs maintained a 99.5% accuracy rate, thereby enhancing operational efficiency by 15%.
- Use of explain plan, analyze, hints to tune queries for better performance and also extensive Usage of Indexes

Mindtree, India | Data Analyst

Jun 2019 - May 2022

- Worked with stakeholders to analyze and document requirements using Waterfall, creating comprehensive project documentation.
- Operated data visualization libraries such as Matplotlib and Seaborn, which created visually compelling data visualizations, enhanced the communication of insights, and facilitated an understanding of complex datasets.
- Designed and launched interactive Power BI dashboards and reports, enabling cross-departmental data-driven decision-making and increasing operational efficiency by 25% within the first quarter.
- Utilized AWS Redshift for data warehousing, establishing a high-performance environment for querying and analytics, enabling efficient business intelligence and data-driven decision-making processes.
- Operated Unsupervised Learning methods to identify patterns and relationships in data without labeled outcomes, including clustering with algorithms like KNN and K Means.
- Employed Power Query to clean, transform, and merge data from multiple sources for analysis and reporting.
- Proficient in advance features of Oracle 9i for PL/SQL programming like Using Cursor Variables, Ref Cursors, Nest and Dynamic SQL.
- Manipulated and cleaned data in MS Excel, leading to a 25% improvement in reporting and data purification processes for stakeholders.
- Implemented and maintained data cleansing processes to enhance data integrity, proactively identifying and rectifying anomalies within datasets to ensure data accuracy and reliability for analysis purposes.
- Accomplished SQL data extraction, transformation, and analysis, resulting in 30% faster query execution.

EDUCATION

Masters in Business Analytics

University of Dayton, Dayton, Ohio

May 2024

Bachelors in Mechanical Engineering

KKR AND KSR Institute Of Technology And Sciences, (JNTUK), Guntur

May 2019