

Pavana Naga Lakshmi Sankari Penumaka

Data Analyst

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SUMMARY

Results-driven Data Analyst with around 3 years of experience in collecting, processing, and analyzing large datasets to drive strategic business decisions. Proficient in SQL, Python, and advanced statistical methods, with a strong background in predictive modeling, customer segmentation, and data visualization. Demonstrated ability to translate complex data into actionable insights, enhancing operational efficiency, and improving customer retention.

EXPERIENCE

Data Analyst, AT&T

Nov 2023 – present | Remote, USA

- Utilized SQL and Python for data extraction, transformation, and loading (ETL) from multiple sources, ensuring data integrity and consistency.
- Conducted advanced statistical analysis using Python libraries (Pandas, NumPy, SciPy) to uncover trends and correlations, supporting business decision-making.
- Developed custom dashboards using Tableau to visualize key insights and performance metrics, enabling real-time monitoring of business operations.
- Designed and implemented supervised and unsupervised machine learning models using TensorFlow and Scikit-learn for tasks such as customer segmentation, predictive maintenance, and churn analysis.
- Developed dynamic dashboards and interactive reports to visually represent data insights for stakeholders at all levels.
- Deployed machine learning models to production using AWS SageMaker and managed CI/CD pipelines with Jenkins, ensuring seamless updates and scalability.

Data Analyst, Sujay Biotech Pvt. Ltd.

Jan 2021 – Jul 2022 | Andhra Pradesh, India

- Analyzed large datasets using Python, Matplotlib and Seaborn related to identify trends, optimize services, and improve customer satisfaction.
- Built predictive models to forecast demand for various auxiliary services, using machine learning algorithms like regression, decision trees, and random forests.
- Conducted customer segmentation analysis to identify distinct groups on usage patterns and preferences, enabling targeted marketing and personalized service offerings.
- Conducted comprehensive data analysis to identify trends, patterns, and insights that supported business decision-making.
- Developed automated data pipelines using Python and SQL to streamline data collection, processing, and analysis.

EDUCATION

University of North Carolina

Master of Science; Major in Informatics & Analytics

Aug 2022 – May 2024

Charlotte, USA

TECHNICAL SKILLS

Languages & Framework: Python, SQL, R, Pandas, NumPy, Scikit-learn, PySpark, ETL Processes

Database: MySQL, PostgreSQL, Microsoft SQL Server, Oracle, MongoDB, Cassandra, Redis

Tools & Technology: Statistical Analysis, Predictive Modeling, Customer Segmentation, Exploratory Data Analysis (EDA), A/B Testing, Time Series Analysis, Regression Models, Classification Models, Clustering Algorithms, K-means, Random Forest, Gradient Boosting, TensorFlow, PyTorch, Tableau, Power BI

Others: Communication, Collaboration, Problem-Solving, Critical Thinking, Time Management, Adaptability, Creativity, Leadership, Presentation Skills