Keshavi K.

+1(945)233-1733[| keshavikongara29@gmail.com](mailto:|%20keshavikongara29@gmail.com) | Dallas, TX | Open to Relocation

# SUMMARY:

Experienced Detail-oriented Data Analyst with 4+ years of expertise in **AI-based solutions** developing and optimizing **data pipelines**, leveraging **SQL** and **Python** for efficient data extraction and transformation. Skilled in creating interactive dashboards using **Tableau** and **Power BI** to visualize complex business insights. Proficient in analytical and problem-solving skills, **financial analysis, machine learning**, and **Agile methodologies** to deliver actionable recommendations. Strong Leadership in written and verbal communication skills, adept at documenting workflows and integrating data-driven solutions into strategic business initiatives.

# TECHNICAL SKILLS:

**Languages & Tools :** Python (Scikit Learn, Keras, Plotly, sklearn, Beautiful Soup), R, SQL, NoSQL, PySpark, Linux, SAS, Java.

**Data Visualization Tools :** Tableau, Power BI, Qlik, Azure Data Factory, Redshift.

**Cloud & Databases :** AWS, Azure, Snowflake, My SQL, PostgreSQL, Mongo DB, Big data, Teradata, BigQuery.

**Frameworks :** Apache Airflow, Hadoop, Hive, spaCy, NLTK, Hugging Face, API

**Analytics :** A/B Testing, KPI Definition, Funnel Analysis, Social Graph Metrics

**Technical Expertise :** NLP, EDA, Data Manipulation, ML, Model Evaluation, Time Series Modelling, Data Acquisition

**DevOps Tools :** Jenkins, version control (Git), CI/CD, Docker, Maven, AWS Code Pipeline, AWS Code Deploy, GCP.

**MS Office :** Excel, Word, Microsoft Planner, PowerPoint

# PROFESSIONAL EXPERIENCE:

**JPMorgan Chase & Co.,** Dallas, USA **Business Data Analyst** August 2024 – Present

* Developed, execution, and deployed scripts for **data extraction** and transformation using tools like **Python** (for scripting) and **SQL** (for querying relational databases), enhancing **data processing** analysis efficiency by 80%.
* Designed and implemented data pipelines using **ETL** tools and **SQL** Server, automating data integration processes and reducing data processing time by 60%.
* Utilized **SQL** for querying and quantitative data analysis in **PostgreSQL** and **MySQL** databases to support analytics workflows, improving data-driven decision-making by 20%.
* Utilized **Azure and Databricks** environments to automate and deploy forecasting pipelines on a monthly cadence, reducing manual business analysis by 13.4%.
* Used **Power BI** for developing interactive dashboards and visualizations, enabling stakeholders to gain insights into business performance and trends via Databricks.
* Performed **ad-hoc** data analysis using **SQL** and **Python** to answer time-sensitive business questions, such as identifying sudden drops in user engagement or revenue fluctuations across regions.
* Utilized **Agile** for iterative data analysis and reporting in **sprint**, using **Jira** for task management and ensuring timely delivery of analytics projects in process improvement.
* Documented data workflows via **BRD** and project progress using **Confluence** for **documentation** and **Microsoft Excel**, aligning **data analytics** efforts with business objectives and facilitating collaboration with stakeholders.
* Presented complex forecasting results to **executive leadership**, translating model behavior into actionable recommendations for strategic planning.
* Collaborative with **cross-functional teams** to integrate data insights into **business strategies** and **Compliance**, supporting initiatives for enhancing operational efficiencies and optimizing business processes.

**Solstice Solutions,**  Plano, USA **Data Analyst,** Jan 2024 - July 2024

* Transformed raw data into actionable insights by gathering, cleaning, and organizing data using **Python** for scripting and **SQL** for querying (SQL Server, MySQL).
* Integrated cloud-based services and tools Azure Data Factory, SQL Server, Databricks to ensure **scalability, automation, and real-time forecasting capability**.
* Created visually intuitive dashboards through **Tableau**, presenting complex datasets to facilitate effective decision-making and stakeholder engagement through Communication for pricing analysis.
* Analyzed **metrics** and **Key Performance Indicators (KPIs)** and utilized machine learning models (Python, scikit-learn) for predictive analytics, enhancing business performance insights.
* Conducted **exploratory data analysis (EDA)** using Python (Pandas, NumPy) to identify trends, patterns, and anomalies in large datasets and quantitative performance metrics.
* Generated **visualizations** and crafted reports using **Tableau** and **Power BI**, enabling stakeholders to grasp insights quickly and make informed decisions and optimization.
* **Collaborated with cross-functional teams** to understand business requirements by using software development lifecycle and translate them into data-driven solutions, fostering alignment between technical outcomes and strategic objectives.
* **Utilized statistical analysis** and hypothesis testing to validate findings and provide insights into customer behavior and market trends, supporting strategic decision-making processes.

**IBuild Innovations India Ltd.,** Hyderabad, India

**Data Analyst** Jan 2020 - July 2022

* **Developed an 'Opportunity Win-Loss (OWL) prediction' model** for EMEIA using Microsoft SQL Server to extract sales pipeline data and account attributes, leveraging key performance indicators (KPIs) and domain knowledge to drive insights.
* **Performed extensive data wrangling** on a large dataset (76GB, 41.5 million records) using Alteryx, ensuring data quality and preparing it for analysis and modeling.
* **Built an ensemble model** using machine learning classification algorithms such as XGBoost and RandomForest, decision trees, incorporating Principal Component Analysis (PCA) for dimensionality reduction. Achieved 86% accuracy and an F1-Score of 0.745, demonstrating strong predictive performance using Natural Language Processing.
* **Developed interactive dashboards** in Tableau to visualize key insights derived from the OWL prediction model, facilitating data-driven decision-making for stakeholders.
* **Deployed the predictive model** into production on a monthly basis using Azure Data Factory, automating the process and reducing manual business development efforts by 13.4%.
* Utilized ensemble methods such as **random forests** and **gradient-boosted trees** for **robust machine** learning solutions.
* **Utilized SQL queries** for data extraction, transformation, and loading (ETL) tasks, ensuring efficient data processing and analysis.
* **Used Alteryx for data preparation** and manipulation, streamlining complex data workflows and enhancing data quality for modeling purposes.
* **Applied Machine learning techniques** such as ensemble methods (XGBoost, RandomForest) and dimensionality reduction (PCA) to optimize model performance and accuracy with supervised/unsupervised learning.
* **Deployed models using Azure Data Factory**, leveraging cloud infrastructure for scalable and automated model deployment across global regions.
* **Developed and maintained dashboards** in Tableau to visualize trends and insights from sales pipeline data, providing actionable insights to business stakeholders.
* Collaborated **with cross-functional teams** to gather business requirements, validate model outputs, and ensure alignment of predictive analytics solutions with organizational goals.

**Teaching Assistant, UTD**, Dallas, USA Jan 2023 - May 2024

* Delivered lectures, drafted assignments, and examinations. Also graded them and helped in the assessment of 60+ students.

# EDUCATIONAL PROJECTS:

**Market Trend Analysis for Conagra Brand Food Products** Mar 2021 - May2021

* Designed and developed software systems to analyze market trends for Conagra Brands’ margarine, butter, and cooking oil products, leveraging advanced programming methodologies.
* Utilized **Python** for comprehensive data cleaning, preprocessing, and development of machine learning models such as K- means clustering and linear regression to identify efficiencies and forecast market trends.
* Built and implemented dynamic, interactive **Tableau** dashboards for effective data visualization, improving data accessibility by 30%.
* Automated data workflows using **Pandas, NumPy**, and **Scikit-learn** for efficient analysis, reducing manual processing efforts by 40%.
* Integrated **SQL** databases for seamless data storage, management, and querying, ensuring efficient access to structured datasets and distributed systems.

# ACADEMIC QUALIFICATION:

**The University of Texas at Dallas**, Dallas, USA August 2022 - May 2024

# Master's, Business Analytics GPA: 3.6

* Enhanced problem-solving skills through a strong foundation in algorithms, data structures, and database management, Statistics, information system, enabling effective analysis and structuring of large datasets.
* Gained practical experience in machine learning and artificial intelligence by creating predictive models to innovative drive data- driven business decisions.