Alivelu Rangaswamy   Data Analyst

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SUMMARY:

- With over 3 years of expertise, skilled in employing various SDLC methodologies including Agile and Waterfall. Proficient in leveraging Business Intelligence Tools such as Tableau, Power BI, and the Microsoft Office suite for comprehensive data analysis and presentation.
- Experienced Data Analyst proficient in a wide range of methodologies and tools for effective data analysis and visualization.
- Experienced in cloud platforms, particularly Azure, utilizing Data Bricks, Data Lake, and Data Factory for efficient data management and processing.
- Proficient in Python for data analysis with libraries like Pandas, NumPy, and Matplotlib, along with strong SQL and R skills for database interaction and analysis.
- Capable of conducting thorough Business Analysis utilizing techniques like data flow diagrams, use case diagrams, and GAP analysis.
- Experienced with Visualization tools like Tableau, Excel, and Power BI for charts, dashboards, and presentations.
- Experienced in operating systems like Microsoft Windows and MacOS, with proficiency in Unified Modelling Language (UML) for modeling.
- Skilled in Project Management tools such as MS Project, Trello, and Jira, ensuring efficient project execution and delivery.
- Proficient in Product Analysis tools like Google Analytics and A/B Testing for insightful product evaluation and enhancement. Experienced in various data visualization and manipulation techniques for comprehensive data analysis and reporting.
- Having excellent analytical & problem-solving skills, and the ability to work on my own besides being a valuable contributing team player.

SKILLS:

SDLC Methodologies:	SDLC, Agile, Waterfall, and Scrum
Business Intelligence Tools:	Tableau, Power BI, and MS Office suite (Word, Excel, PowerPoint)
Clouds:	Azure (Data Bricks, Data Lake, Data Factory)
Programming Language:	Python (Pandas, NumPy, Matplotlib), SQL, and R
Database Interaction:	MySQL, MongoDB, and SQL Server
Data Analysis Techniques:	Data management, Data Wrangling, Data Cleaning, Visualization, Data Warehousing, and Data Manipulation
Operating System:	Microsoft Windows and MacOS
Modeling Language:	Unified Modelling Language (UML)
Project Management:	MS Project, Trello, and Jira
Product Analysis:	Google Analytics, A/B Testing and Experimentation

EDUCATION:

Master in Mathematics and Computer Science   **Dec 2023**
University of Texas
TX

Bachelor in Computer Science   **Aug 2021**
Acharya Nagarjuna University
India

EXPERIENCE:

Clairvoyant   Jan 2024 - Present
Data Analyst
- Analyzed large sets of data to identify trends, patterns, and anomalies to drive business decisions and strategies, with a focus on improving overall performance by at least 10%.
- Identified opportunities for improvement through analysis of key metrics and KPIs related to user acquisition, retention, and monetization by supervising 10+ cross-functional teams.
- Collected financial data from various sources, ensuring its accuracy and completeness.
- Utilized Power BI, to create interactive dashboards and visualizations that succinctly communicate complex financial insights to stakeholders and Designed intuitive charts, graphs, and heatmaps to facilitate data-driven decision-making
- Developed workflow for data transitions by educating 30+ HNIs on dataflows in DOMO and BigQuery
- Used statistical and analytical tools to uncover trends, patterns, and relationships within the financial data.
- Created cross-channel dashboards in Tableau for 100+ non-profit clients; boosted donations by 80% within the months.
- Presented findings and insights through reports, dashboards, and visualizations to stakeholders such as management, investors, and regulatory bodies.
- Conducted A/B testing experiments and data-driven analysis to optimizing market campaigns, resulting in a 25% increase in conversion rates.
- Supported in implementation of machine learning algorithms and artificial intelligence models to enhance decision-making processes and achieve a 30% reduction in error rates.
- Employed ETL (Extract, Transform, Load) processes to gather raw financial data from diverse sources such as databases, APIs, and spreadsheets. Utilizing SQL, Python, or other scripting languages to clean, preprocess, and standardize data for analysis.

CueTech Systems

Data Analyst   Sep 2018 – Dec 2021
- Automate different workflows, which are initiated manually with Python scripting.
- Involved in implementing ML models (logistic regression, XGboost) with Python's Scikit-learn & Keras.
- Created, maintained, modified, and optimized MySQL and SQL Server databases.
- Evaluated and optimized database performance by identifying and resolving bottlenecks, resulting in a 20% improvement in query execution times.
- Identified and determined physical attributes and their relationships through cross-analysis of functional areas.
- Involved in analysis, design, and documentation of business requirements and data specifications.
- Supported data warehousing extraction programs, end-user reports, and queries.
- Clearly understood the business objectives and converted them into an analytical problem.
- Developed and managed databases that support performance improvement activities.
- Researched, analyzed & converted sales data into valuable insights to make better data-driven decisions.
- Visualized data into various charts to understand trends, patterns, and correlations using tools such as Tableau.
- Developed various solution-driven views and dashboards by developing different chart types including Pie Charts, Bar Charts, Tree Maps, Circle Views, Line Charts, Area Charts, and Scatter Plots in Tableau.
- Developed Tableau graphical/visualization solutions with BRDs & plans for creating interactive dashboards.
- Developed and maintained data models, dashboards, and reports using Tableau, resulting in a 20% increase in data visualization efficiency.
- Visualized sales data into charts, tables & stories using Tableau to better understand the market & competitors.
- Performed ad-hoc analysis to answer complex business questions and provided actionable insights that resulted in a 15% improvement in operational efficiency.
- Proficient in applying various Excel functions such as pivot tables, and VLOOKUP to aggregate data.
- Participated in Business Analysis, talking to business users, and determining the entities & attributes for Data Model.
- Coordinated with different departments such as accounting, marketing, sales, and operations.