



DARVIKKUNAL BANDA

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[Portfolio](#)

Summary

Data Analyst with over three years of experience in data modeling, analytics, and implementing ETL solutions for database management. Specializes in relational databases like MySQL, Oracle SQL, and PostgreSQL, and proficient in analytics tools such as Python, Power BI, and Tableau, with a proven track record of enhancing operational efficiency and reliability through business improvements and automation.

Work Experience

System Project Analyst

May 2024 - Present

State of Florida Department of Health [Division of Emergency Preparedness and Community Support]

Florida, USA

- Designed, formulated, and tested QlikView dashboards for EMS, improving statewide submission monitoring; progressed data quality and key metrics tracking, leading to a 30% increase in performance measure accuracy.
- Architected a comprehensive three-layer framework for data extraction, transformation, and visualization, seamlessly incorporating SQL Server and external sources (XML, CSV, JSON) into QVDs; enhanced data accurateness and decreased reporting time by 35%
- Developed Qlik Sense measures using Qlik's scripting for precise data shaping and numerical calculations, resulting in the creation of interactive dashboards that increased data visualization and decision-making efficiency by 15%.
- Conducted unit, integration, and user acceptance testing (UAT), maintained Qlik Sense dashboards, regulated user access roles, and formulated Proof of Concepts (POC) using QlikView.
- Generated ad hoc reports for managers on a weekly basis using SQL Server and Excel, leading to a 20% increase in decision-making efficiency.

System Project Consultant

Oct 2023 – May2024

State of Florida Department of Health [Division of Medical Quality Assurance]

Florida, USA

- Collaborated with stakeholders to gather data and document functional requirements, aligning with business needs.
- Employed Microsoft Visio for process flows and workflow charts, reducing project delivery time by 10% and increasing client satisfaction by 15%.
- Coordinated user testing sessions, gathered feedback, and made responsive adjustments, achieving high end-user satisfaction.
- Optimized Oracle SQL queries and operated DAX formulas to create Power BI reports and dashboards, which amended data retrieval speed by 40% and ensured 99% data accuracy and quality.

Data Advisory Assistant

Nov 2022 - May 2023

George Mason University

Virginia, USA

- Extracted and analyzed student cohort data from platforms like SurveyMonkey, Google Forms, Microsoft Forms, and GMU's internal database, resulting in a 25% increase in data processing efficiency.
- Queried master student database using PostgreSQL and applied Python libraries for data manipulation and visualization, achieving 95% compliance with GMU's data governance policies and improving data accuracy by 20%.
- Developed 6 Power BI reports and dashboards to predict student cohort trends, enhancing data-driven decision-making and demonstrating proficiency in Microsoft Office tools and agile methodologies.

Data Analyst

Feb 2020 - Apr 2021

Solvix Digitech LLP

India

- Adapted agile methodology for project phases including requirements, planning, design, and deployment, resulting in a 30% increase in team efficiency and project adaptability.
- Participated in sprint planning, daily stand-ups, and retrospectives, enhancing project alignment by 25% and improving team performance by 20%.
- Extracted data from SQL Server databases, crafted summary tables, and used custom SQL queries for data visualization and reporting in Tableau Desktop, reducing reporting time by 35%.
- Published 4 workbooks with user filters, cross-validated report standardizations with Solvix data standards, and partnered with business analysts and project managers for cross-functional implementation, ensuring 98% accuracy in report standardizations.

Skills

Working Environments: Agile, Waterfall

Programming: Python (NumPy, Pandas, Matplotlib, SciPy, ggplot2, Scikit learn, PySpark, Keras, TensorFlow), R, SQL, SAS

IDEs & Operating Systems: Visual Studio Code, PyCharm, Windows, Linux

Analysis Tools: Qlik Sense, Qlik View data [QVD's], Power BI, Tableau, Advanced MS-Excel

Database: MySQL, SQL Server, Mongo DB, PostgreSQL

Cloud Technologies: Azure, Azure Virtual Machine

Other Skills: Google Suite, MS-Office Suites, MS-Visio, JIRA, Zendesk

Education

George Mason University

Master's in Data Analytics Engineering [GPA: 3.56]

- May 2023

Fairfax, VA

Gokaraju Rangaraju Institute of Engineering & Technology

B.Tech, Computer Science & Engineering,

- Jul 2021

India