



# DARVIKKUNAL BANDA

## Florida, FL, USA

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### Summary

Data Analyst with over three years of progressive experience in data modeling, analytics, and Implementing ETL Solutions to load and analyze on to the database. Specializes in implementing and managing various technology that leverage relational databases, such as MySQL, Oracle SQL, and PostgreSQL, to optimize performance and data integrity. Apprehended advanced analytics tools like Python, Power BI, Tableau to derive actionable insights, demonstrated by significant achievements like spearheading business improvements and automating data processes that resulted in enhanced operational efficiency and reliability. Bringing forth advanced proficiency in multiple skills and a strong capability to adapt and deliver in dynamic environments.

### Skills

- **Working Environments:** Agile, Waterfall
- **Language:** Python, R, SQL, SAS
- **IDEs:** Visual Studio Code, PyCharm
- **Packages:** NumPy, Pandas, Matplotlib, SciPy, ggplot2, Scikit learn, PySpark, Keras, TensorFlow
- **Visualization Tools:** Qlik Sense, Qlik View data [QVD's], Power BI, Tableau, Microsoft Excel
- **Database:** MySQL, SQL Server, Mongo DB, PostgreSQL
- **Cloud Technologies:** Azure, Azure Virtual Machine

### Work Experience

#### System Project Analyst

May 2024 - Present

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

Florida, USA

- Gathered and analyzed business requirements, technical specifications, source repositories, and physical data models to design, develop, and test QlikView reports and required dashboards for EMS to monitor statewide submissions, data quality, performance measures and required key metrics.
- Developed three layered architecture which involved data extraction layer to fetch data from various sources and store as QVD's, transformation layer to build the data model and finally building dashboard layer.
- Extracted large data from SQL Server and other external sources (XML, CSV, JSON) into multiple QVDs.
- Developed Qlik Sense measures using Qlik's script for data shaping and numerical calculations.
- Created dashboards using various objects such as list boxes, multi-boxes, straight tables, pivot tables, buttons, text objects, scatter charts, input boxes, containers, sliders, and bar charts.
- Conducted unit testing, integration testing, and supported user acceptance testing (UAT).
- Maintained Qlik Sense dashboards and regulated user access roles for EMS section.
- Developed Proof of Concepts (POC) for various projects using QlikView utilizing section access and set analysis.
- Queried and generated Adhoc reports for managers as requested on a weekly basis.

#### System Project Consultant

Oct 2023 – May 2024

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

Florida, USA

- Collaborated with various stakeholders across multiple projects to assemble data and document functional requirements based on business requirement documents.
- Utilized Microsoft Visio to generate process flows and work-flow charts for better understanding of the project development.
- Streamlined development and analysis processes, leading to a 10% reduction in project delivery time and a 15% increase in client satisfaction.
- Managed UAT efforts by coordinating user testing sessions and gathering feedback, achieving a maximized satisfaction rate among end-users through detailed analysis and responsive adjustments.
- Optimized Oracle queries (Joins, Subqueries, Common Table Expressions) and stored procedures using Oracle SQL to retrieve large volumes of data, resulting in a 15% reduction in query execution time and improved overall query performance.
- Utilized DAX formulas to create calculated columns and measures for data transformation.
- Created reports and dashboards using various visual objects in Power BI (Line Charts, Bar Charts, KPIs, Maps, Drill Down and Drill Through Reports).
- Implemented row-level security to restrict data access for users.
- Enhanced system reliability by analyzing error logs and monitoring tickets using Zendesk ticketing system,

maintaining a system uptime of at least 75%.

- Employed Power BI to identify and resolve data anomalies using Power Query, achieving a 90% success rate in ensuring data quality and accuracy.
- Conducted code review for SQL scripts and Power BI dashboard reviews, provided feedback, and contributed to the development of best practices to maintain quality and consistency.
- Collaborated efficiently with the team to excel in the organization.

### **Data Advisory Assistant**

**Nov 2022 - May 2023**

*George Mason University*

*Virginia, USA*

- Gathered data from various platforms (SurveyMonkey, Google Forms, Microsoft Forms), previous research, and GMU's internal database to extract student cohorts.
- Queried the master student database using PostgreSQL, utilizing recursive joins and subqueries to provide informed insights reports that guided strategic decisions.
- Employed Python and utilized libraries such as:
  - o Pandas and NumPy for data manipulation and transformation
  - o Seaborn and Matplotlib for generating charts and graphs.
- Developed Power BI reports and dashboards to analyze historical student cohorts, visualizing trends with line charts to predict future cohorts based on historical data trends.
- Achieved 95% compliance with GMU's data governance policies, maintaining high security and adherence to compliance standards.
- Thrived in a fast-paced professional setting, showcasing adaptability and effectiveness while proficiently using Microsoft Word, Outlook, PowerPoint, and Excel for diverse data administrative tasks.
- Applied agile development methodologies throughout the development lifecycle.

### **Data Analyst**

**Feb 2020 - Apr 2021**

*Solvix Digitech LLP*

*India*

- Collaborated in Agile methodology for project phases including requirements, planning, design, and deployment, enhancing team efficiency and project adaptability.
- Actively participated in sprint planning, daily stand-ups, and retrospectives, significantly improving project alignment and team performance throughout the project lifecycle.
- Extracted data from the database using SQL Server, working with multiple fact and dimension tables.
- Created summary tables using procedures such as PROC TRANSPOSE, SORT, FREQ, MEANS, SUMMARY, UNIVARIATE, and TABULATE.
- Generated electronic datasets for submissions using PROC EXPORT.
- Cross-validated report standardizations with Pinnacle 21 to prepare data reports for regulatory submissions.
- Utilized custom SQL queries to pull data into Tableau Desktop.
- Proficient in Tableau data visualization and reporting, including creating pie charts, bar charts, cross maps, scatter plots, geographic maps, page trails, density charts, and utilizing actions for enhanced interactivity.
- Published workbooks by creating user filters to ensure appropriate team access.
- Worked closely with business analysts, project managers, and team members to understand business requirements and ensure cross-functional implementation.

### **Education**

**George Mason University**

*Master's in Data Analytics Engineering*

**Gokaraju Rangaraju Institute of Engineering & Technology**

*B.Tech, Computer Science & Engineering,*

**- May 2023**

*Fairfax, VA*

**- Jul 2021**

*India*