VEDANTH REDDY GONA

New Haven, CT, USA | +1 (203) 435-3296 | vgona.work@gmail.com | [Portfolio](#)

PROFESSIONAL SUMMARY

Results-driven Data Analyst with 2+ years of experience transforming complex datasets into actionable insights using Python, SQL, Power BI, and Excel. Skilled in ETL pipelines, data modeling, dashboard development, KPI tracking, and cloud analytics (Azure, AWS, Databricks), delivering accurate, scalable reporting solutions. Experienced in collaborating with cross-functional teams to convert business requirements into interactive dashboards and analytical reports, driving data-driven decisions, operational efficiency, and revenue growth.

TECHNICAL SKILLS

Programming & Analytics: Python (Pandas, NumPy, Scikit-learn, StatsModels), SQL, DAX, R, Shell Scripting

Data Visualization & Business Intelligence: Power BI, Tableau, Looker Studio, Excel (Power Query, Power Pivot), Streamlit, Plotly, Matplotlib, Seaborn

Data Engineering & ETL: SQL Server Integration Services (SSIS), Azure Data Factory, Apache Airflow, Databricks, Informatica, Talend, Alteryx, Snowflake, dbt (Data Build Tool)

Database & Storage Systems: SQL Server, MySQL, PostgreSQL, Oracle, MongoDB, Google BigQuery, Amazon Redshift, Azure Synapse Analytics, Data Lake Storage

Cloud & Big Data Ecosystem: Microsoft Azure (Data Factory, Synapse, Databricks), AWS (S3, Glue, Lambda), Google Cloud (BigQuery ML, Vertex AI), Hadoop, Spark, Kafka, Delta Lake

Data Modeling & Warehousing: Star & Snowflake Schema Design, Dimensional Modeling, Data Governance, Metadata Management, OLAP Cubes, Data Quality Management

Automation & Reporting Tools: Power Automate, VBA, PowerShell, REST APIs, Scheduling & Workflow Automation

Generative AI & Advanced Analytics: Prompt Engineering, LLM-based Data Analysis, AI-Powered BI Integration, GenAI for Insight Generation, NLP-based Analytics

Development & Collaboration Tools: Jupyter Notebook, VS Code, PyCharm, Git/GitHub, Docker, Agile & CI/CD Environments

PROFESSIONAL EXPERIENCE

Data Analytics Intern   **Nov 2024 - Dec 2024**
Accenture | Remote

- Improved dataset reliability to 98% by cleaning, validating, and transforming client data from multiple systems using Python (Pandas, NumPy) and SQL for accurate reporting.
- Reduced KPI reporting turnaround from 3 days to 1 hour by creating interactive Power BI dashboards for sales, churn, and customer engagement metrics.
- Streamlined Excel reporting workflows through Power Query and VBA Macros, enabling real-time summaries and saving 15+ hours weekly for management teams.
- Identified actionable trends, correlations, and outliers in transactional data through exploratory analysis, influencing two key strategic client decisions.
- Built scalable SQL-based ETL pipelines for structured and semi-structured datasets, increasing reporting efficiency by 25%.
- Collaborated with cross-functional stakeholders to translate analytics into dashboards and presentations, enhancing decision-making and operational performance.

Data Analyst   **Aug 2021 - Sep 2023**
Universal Softech Hubs | Bengaluru, India

- Extracted and analyzed datasets from CRM, ERP, and external sources using SQL and Python, providing actionable insights that increased decision-making efficiency by 30%.
- Built and optimized Power BI and Excel dashboards tracking sales, revenue, and customer behavior, allowing leadership to monitor KPIs in real-time and cut manual reporting by 50%.
- Streamlined data quality by implementing cleaning, validation, and transformation scripts, improving dataset reliability to 99% and ensuring accurate reporting for business teams.
- Partnered with stakeholders to translate business requirements into data models and visualizations, supporting strategic planning and KPI-driven initiatives across product and sales domains.
- Analyzed sales and operational trends to forecast performance and highlight revenue opportunities, contributing to a 12% growth in quarterly revenue.
- Developed ad-hoc SQL reports for business investigations, reducing dependency on IT teams and enabling faster, data-backed operational decisions by 40%.
- Automated recurring reporting and data aggregation tasks using Python and Excel macros, saving 20+ hours per month and improving workflow efficiency for the analytics team.
- Communicated insights through storytelling and visual dashboards, enabling leadership to implement process improvements that enhanced operational performance by 15%.

PROJECTS

Automated Legal Document Summarization
- Extracted and organized key clauses and obligations from lease and legal documents using Python, Pandas, and RegEx, improving document review efficiency by 60%.
- Built an interactive Streamlit dashboard to visualize extracted information, enabling teams to analyze multiple document types quickly and accurately.
- Integrated Azure OCR for scanned PDFs, standardizing text for reporting and supporting structured data analysis across formats.

Healthcare Premium Analytics
- Processed and analyzed customer and health datasets using Python and Pandas, generating actionable insights on premium trends and demographic patterns.
- Created an interactive Streamlit dashboard to visualize premium distributions, top factors, and key metrics, improving stakeholder comprehension by 40%.
- Optimized data aggregation and transformation workflows, reducing report generation time and enabling faster access to insights for analytics teams.

Sales Dashboard
- Consolidated and transformed datasets using SQL and developed Power BI dashboards tracking revenue, sales growth, and regional performance in real-time.
- Implemented DAX measures and calculated columns to measure KPIs like revenue per product and top-performing regions, driving informed business decisions.
- Configured Power BI Gateway for automated daily refresh, ensuring stakeholders had access to accurate, up-to-date performance insights.

EDUCATION

Master of Science in Data Science   **Oct 2023 - May 2025**
University of New Haven | New Haven, CT, USA

Bachelor of Science   **May 2018 - Aug 2021**
Osmania University | Hyderabad, India

CERTIFICATIONS
- Python (W3Schools)
- SQL for Data Science - **Coursera**
- GenAI-Powered Data Analytics - Tata virtual experience
- Google Data Analytics Professional Certificate - **Coursera**
- IBM Data Analyst Professional Certificate - **Coursera**
- Excel Skills for Business: Advanced **- Coursera**