Varun Gandla

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PROFESSIONAL SUMMARY

- Data-driven Analyst with 3+ years of experience delivering measurable results through **data operations**, **reporting**, **analytics**, and **automation**.
- Proficient in **SQL**, **Python**, **Power BI**, **Tableau**, and **Amazon QuickSight** for dashboard creation and **business intelligence**.
- Strong experience with **ETL workflows**, **data pipelines**, and **data integration** using **AWS Glue**, **Lambda**, and **DataStage**.
- Adept at ensuring **data accuracy**, **integrity**, and **validation** in **fast-paced**, **cross-functional** environments.
- Expertise in **KPI development**, **forecasting models**, and **statistical analysis** to inform **stakeholder decisions**.
- Skilled in collaborating with **business**, **marketing**, and **operations** teams to align **data solutions** with organizational goals.
- Proven ability to **automate reporting processes** and reduce **manual effort** using tools like **Excel VBA** and **SQL**.
- Strong understanding of **Agile methodology** and experience working in **Scrum-based teams**.

TECHNICAL SKILLS

- **Languages & Scripting:** SQL, Python, PL/SQL, VBA, NoSQL
- **Data Visualization:** Power BI, Tableau, Amazon QuickSight, Excel (PivotTables, Macros, Power Query)
- **Cloud & Big Data:** AWS (S3, Glue, Redshift, Athena, Lambda, EC2, IAM), Apache Airflow
- **ETL & Databases:** IBM DataStage, Oracle Data Integrator, MySQL, PostgreSQL, Snowflake, Oracle
- **Analytics & Modeling:** Regression, Clustering, Forecasting, pandas, NumPy, Scikit-learn, SAS, Seaborn, Matplotlib
- **Tools & Platforms:** Git, JIRA, Agile/Scrum, Microsoft Office, Data Modeling, Data Warehousing

PROFESSIONAL EXPERIENCE

Prudential Financial, NJ   **Feb 2025 – Present**
Data Analyst
- Created and managed end-to-end **data reporting dashboards** using SQL, Tableau, and Excel VBA.
- Reduced **manual reporting efforts** by 60% and improved **data accessibility** for leadership teams by 40%.
- Partnered with marketing teams to define **performance metrics** and **KPIs**, resulting in a 25% improvement in tracking.
- Used SAS and Python for **customer segmentation** and **predictive modeling**, achieving a 15% increase in campaign conversions.
- Led **forecasting initiatives** using **regression models**, influencing campaign redesigns that increased engagement by 12%.
- Developed **validation pipelines** to ensure **data accuracy** across structured and unstructured sources.
- Presented insights to **senior executives**, guiding **data-driven decision-making** and **strategic planning**.
- Designed SQL queries for high-volume datasets, optimizing execution time and improving **data pipeline reliability**.
- Contributed to **cost reduction** efforts by identifying and eliminating underperforming campaign segments.

University of North Carolina at Charlotte, NC   **Aug 2023 – May 2024**
Graduate Teaching Assistant
- Mentored 60+ students in SQL, database management, ETL processes, and **visualization best practices**.
- Conducted hands-on labs in Power BI and Excel for **data cleaning**, **pivot analysis**, and **KPI creation**.
- Designed **predictive modeling** exercises using **regression techniques**, improving project accuracy by 15%.
- Provided weekly workshops on **query optimization** and **ETL pipeline logic**, boosting student scores by 20%.
- Introduced **real-world datasets** for class assignments to improve analytical and **storytelling skills**.
- Delivered feedback and **code reviews** for SQL and ETL assignments to simulate **industry practices**.
- Created course content that increased student satisfaction and understanding by over 40% (per course surveys).

Accenture, India   **May 2021 – Aug 2023**
Data Engineering Analyst
- Developed and managed automated dashboards using **IBM Cognos**, reducing manual reporting efforts by 50% and providing near real-time insights into retail operations.
- Orchestrated **ETL processes with DataStage** to handle diverse data sources, ensuring accurate **data transformations** and supporting both relational and non-relational databases.
- Utilized **Excel (PivotTables, Power Queries, VBA)** to clean, reshape, and analyze large datasets, enhancing reporting agility and improving data-driven decision-making.
- Migrated on-premises **DataStage** workflows to **AWS Glue and Lambda**, cutting manual tasks by 70% and delivering faster, more reliable data pipelines.
- Transitioned dashboards and analytics from **IBM Cognos** to **AWS QuickSight**, resulting in a 40% reduction in transformation time and enabling highly interactive visualizations.
- Leveraged advanced **SQL queries** to uncover **sales trends**, driving a 25% increase in revenue through improved inventory management and optimized **Supply Chain operations.**
- Designed and implemented robust data architectures and models that supported real-time monitoring, boosting operational efficiency and timely decision-making.

- Collaborated with data engineers to refine ETL processes, writing optimized SQL queries that contributed to a 20% improvement in overall system throughput.
- Utilized **Python libraries (NumPy, pandas, scikit-learn, seaborn)** to develop and deploy analytical models, generating data-driven insights and improving operational efficiency.
- Optimized **AWS infrastructure services (EC2, S3, Lambda, Redshift, QuickSight),** achieving a 20% uplift in data processing efficiency, cost reduction, process automation, and faster analytics.
- Generated **monthly, quarterly, and yearly executive reports**, highlighting cost reduction strategies, **streamlining supply chain efficiency**, and driving critical operational improvements.
- Applied **feature engineering (normalization, label encoding, data imputation with scikit-learn)** to enhance predictive analytics and increase modeling accuracy.
- Participated in daily Scrum meetings with business and data operations teams, ensuring seamless coordination, resolving issues swiftly, and maintaining high-quality production releases.

Bharat Dynamics Ltd, India   May 2019 – Jun 2019
Intern
- Built and fine-tuned **machine learning models** (Random Forest, Logistic Regression, XGBoost) for a pharmacy app.
- Increased **recommendation accuracy** and **user satisfaction** through advanced model tuning and validation.
- Automated the recommendation workflow using Python, improving **scalability** and **processing time**.
- Integrated scikit-learn pipelines into operational systems, improving **app performance** and reliability.
- Developed **interactive dashboards** using Python and Tableau to visualize recommendation performance.

EDUCATION

M.S. in Computer Science   Aug 2023 – Dec 2024
University of North Carolina at Charlotte • CGPA: 3.9 / 4.0

B.S. in Computer Science and Engineering   Jul 2017 – May 2021
Karunya University (KITS) • CGPA: 3.5 / 4.0

PROJECTS

Health Coverage Projection (Python, Streamlit, Machine Learning)
- Developed a **Streamlit** application to predict health insurance premiums using machine learning models trained on demographic and lifestyle data, driving more accurate premium estimations.
- Conducted **Exploratory Data Analysis** i.e., EDA and feature engineering to optimize predictions and deployed the solution on GitHub, demonstrating proficiency in **Python, scikit-learn, and web app development.**
- Analyzed extensive insurance datasets to **generate actionable metrics and visualizations**, enhancing business insight into cost drivers and improving strategic premium pricing decisions.

Music Recommendation System (Python, Streamlit, Machine Learning, Spotify API)
- Designed an interactive **Streamlit** application that recommends songs based on user input, leveraging a pre-trained similarity model and **Spotify API** for metadata and album cover retrieval.
- Implemented a **content-based recommendation** engine using preprocessed song datasets, achieving accurate and user-friendly recommendations through feature similarity analysis and intuitive UI.
- Created detailed analytics reports on user engagement and recommendation performance, enabling data-driven refinements and boosting overall user satisfaction.

Decoding the Automotive Scenario in India (Python, SQL, Tableau, D3.js, HTML/CSS, JavaScript)
- Developed an **interactive dashboard to visualize the performance** and trends of Indian car brands, leveraging cleaned and preprocessed datasets for in-depth analysis.
- Designed a user-friendly interface using **Tableau** for detailed insights and integrated **D3.js with HTML/CSS** for dynamic visualizations, including interactive charts and filters.
- Aggregated real-time and historical sales data to enable advanced performance metrics, guiding strategic decisions on brand positioning and marketing initiatives.

CERTIFICATIONS

AWS Academy Data Engineering Course: [Badge](#)   Dec 2024
- Gained hands-on experience designing and building data pipelines using **AWS Glue, Redshift, S3**, and **Lambda.**
- Learned to manage and automate scalable **ETL workflows** for real-time data processing.
- Applied best practices in **cloud data engineering**, including **data security, monitoring,** and **governance**.