Nikhil Reddy Chinthakunta Data Analyst

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PROFESSIONAL SUMMARY

- **Data Analyst with 4+ years of experience** in SQL, Python, and big data technologies (Hadoop, Apache Spark, Databricks), transforming raw data into actionable insights that improved operational efficiency by **30%** across multiple business functions.
- **Expert in predictive analytics and statistical modeling**, utilizing machine learning algorithms, regression analysis, and clustering techniques to enhance data-driven decision-making, resulting in a **20% increase in forecast accuracy** for business strategy teams.
- **Proficient in BI reporting and data visualization**, developing interactive dashboards with **Tableau, Power BI, and Google Looker**, reducing manual reporting efforts by **45%** and enabling real-time monitoring of key performance indicators (KPIs).
- **Skilled in ETL pipeline development and cloud-based analytics**, leveraging **SQL, Snowflake, and AWS (Redshift, S3, Lambda)** to automate data workflows, reducing data ingestion time by **50%** while maintaining high scalability and reliability.
- **Strong expertise in data governance, compliance, and quality assurance**, implementing data validation frameworks, anomaly detection systems, and RBAC policies, ensuring **99.8% data integrity** and full compliance with **GDPR, HIPAA, and SOC 2** standards.

TECHNICAL SKILLS

Programming : Python, SQL, R, MATLAB, JavaScript
Python Packages : NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Plotly, Dash, SciPy, Beautiful Soup, NLTK
Azure : Azure Data Factory, Azure Synapse Analytics, Azure Machine Learning, Azure Databricks, Azure Blob Storage, Azure Functions
AWS : S3, EC2, RDS, SageMaker, Glue, Lambda, Redshift, IAM, Secrets Manager, SNS, EventBridge
Database and Analytics : MySQL, MS SQL Server, PostgreSQL, MongoDB, SQLite, Tableau, Power BI
Machine Learning : Regression, Clustering, Decision Trees, Naïve Bayes, Bayesian Statistics, K Nearest Neighbors (KNN), Random Forest, Gradient Descent, SVM, PCA, Logistic Regression, GLM
DevOps : Git, Docker, Kubernetes
Others : Microsoft Dynamics 365, A/B Testing, Optimization Modeling, Statistics, Excel (VLOOKUP, Pivot Tables)

PROFESSIONAL EXPERIENCE

Data Analyst, IBM   Jan 2023 – Present | Plano, TX

- **Engineered** end-to-end data pipelines using SQL and Python, automating complex ETL workflows that reduced data processing time by 40% while improving accuracy, scalability, and real-time analytics capabilities for enterprise-wide reporting.
- **Designed** interactive dashboards in Power BI and Tableau, consolidating multi-source data into meaningful visual insights that enabled C-level executives to make data-driven decisions, leading to a 25% improvement in operational efficiency.
- **Optimized** predictive modeling frameworks using machine learning techniques such as regression analysis and clustering, increasing customer churn prediction accuracy by 18% and enabling proactive retention strategies that boosted customer engagement.
- **Orchestrated** large-scale data migrations to AWS and Azure, restructuring legacy systems and enabling cloud-based analytics that improved system scalability by 30% while reducing long-term storage and infrastructure costs for the organization.
- **Implemented** scalable data governance policies and security frameworks aligned with GDPR and CCPA, achieving a 99.5% compliance rate while enhancing data protection, privacy controls, and risk mitigation across global enterprise databases.
- **Developed** A/B testing frameworks and advanced statistical models to analyze user behavior and marketing trends, streamlining campaign performance tracking and increasing overall digital conversion rates by 12% through optimized targeting.
- **Refined** large-scale data validation and cleansing mechanisms using SQL, Python, and automation scripts, reducing reporting errors by 35% improving data reliability, and enhancing decision-making capabilities for finance and operations teams.

Data Analyst, Infosys   Aug 2018 – Jul 2021 | Hyderabad, Telangana

- **Constructed** high-performance data warehouses and optimized SQL query execution, reducing response times by 50% while enhancing reporting capabilities and enabling real-time insights across business intelligence and analytics teams.
- **Created** visually engaging and highly customized dashboards in Tableau and Power BI, transforming complex datasets into actionable insights that improved KPI tracking and accelerated decision-making speed by 28% across all business units.
- **Enhanced** fraud detection accuracy in financial transactions by implementing machine learning models using Python and anomaly detection techniques, reducing fraudulent activities by 15% while strengthening compliance monitoring and regulatory adherence.
- **Automated** large-scale data transformation workflows using Python, SQL, and Alteryx, eliminating redundant manual processes, reducing report generation time by 45%, and ensuring real-time data synchronization across all business units.
- **Devised** innovative ETL strategies to consolidate structured and unstructured data from multiple disparate sources, improving overall data accessibility while reducing inconsistencies and processing errors by 30% in critical business reports.
- **Conducted** in-depth exploratory data analysis (EDA) to identify key trends, correlations, and patterns, providing data-driven recommendations that enhanced operational efficiency by 20% and led to the optimization of resource allocation strategies.
- **Strengthened** enterprise-wide data quality frameworks by implementing rule-based validation processes and automated error-detection mechanisms, reducing data discrepancies by 25% while ensuring the reliability of reports used by senior leadership.
- **Led** cross-functional collaborations with data engineers, business leaders, and stakeholders to align on data strategy, governance, and analytics roadmaps, successfully reducing recurring data inconsistencies by 18% through improved processes.

EDUCATION

Trine university   Aug 2021 – Jul 2023 | Detroit, MI
Master of Science in Information Studies
Sphoorthy engineering college   May 2015 – Aug 2019 | Telangana, India
Bachelor of Computer Science and Engineering