Parthiv Gandhi
Data Analyst

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PROFESSIONAL SUMMARY

Data analyst with 3+ years of experience in data pipelines and ETL processes across AWS, Azure and Google Cloud environments. Designed scalable models for over ten business units, improving accessibility and streamlining workflows. Increased customer retention by 15% and sales by 12% by developing interactive Tableau dashboards to visualize KPIs for Global Mart Retail.

SKILLS

Programming & Scripting: Python, SQL, R, VBA, Shell Scripting, Pandas, NumPy, RESTful APIs (FastAPI), Web Scraping (Beautiful Soup)
Data Visualization & Reporting: Tableau, Power BI, Google Sheets, Matplotlib, Pivotable, Google Analytics, Real-time Analytics
Cloud Platforms & Technologies: AWS (S3, RDS, Redshift, Lambda), Azure, Snowflake, Databricks, Google Cloud Platform (GCP), Docker, Kubernetes, Terraform
Databases & Data Warehousing: PostgreSQL, Microsoft SQL Server, MySQL, Oracle RDBMS, Azure Synapse, BigQuery
Data Science & Machine Learning: TensorFlow, PyTorch, scikit-learn, IBM SPSS, Statistical Modeling, Regression Analysis, Cluster Analysis, Hypothesis Testing, A/B Testing, Time Series Analysis
Methodologies: Agile, Scrum, Waterfall, Kanban, SDLC, Project Management, Stakeholder Management

EXPERIENCE

Data Analyst

Haohan Technologies LLC, Clarksville, MD   **January 2025 – Present**

- Lead customer segmentation and real-time analytics for Global Mart Retail, processing a 13.5 GB dataset of transactional, customer, engagement, and market trend records.
- Develop interactive dashboards in Tableau to visualize KPIs, contributing to a 15% increase in customer retention and 12% growth in sales.
- Design and optimize ETL pipelines with Informatica and Python (PySpark) and SQL, achieving 98% data completeness and accelerating query performance by 50% through Redshift indexing.
- Automate over 15 ETL and reporting tasks using Apache Airflow, saving 10+ hours weekly and enhancing operational efficiency.
- Deploy machine learning models on AWS SageMaker with Lambda integration, reducing reporting latency by 30% and enabling real-time analytics.
- Manage databases including PostgreSQL ensuring high-performance data querying and reporting.
- Apply advanced analytics techniques—time series forecasting, regression analysis, cluster analysis, and hypothesis testing—to support strategic decision-making.
- Utilize Azure Synapse, and Databricks for cloud-based data warehousing and analytics solutions.
- Communicate insights effectively to stakeholders, driving $500K in inventory savings and a 66% gain in reporting efficiency.
- Collaborate with cross-functional teams using Agile (Scrum) frameworks, leveraging JIRA for sprint management and MS Visio for workflow planning.

Data Analyst

Spectrum Webapps, Ahmedabad, Gujarat - IN   **September 2019 – July 2022**

- Spearheaded end-to-end data analysis and sales forecasting for Meesho's e-commerce operations using Python (Pandas, Scikit-learn) and SQL Server, driving insights through advanced modeling and visualization.
- Engineered a cloud-based data lake with AWS S3 and Redshift, centralizing sales, web analytics, CRM, and inventory data for seamless cross-functional access.
- Developed time series forecasting models (ARIMA, LSTM), reducing demand planning errors by achieving an 8.7% MAPE with LSTM models.
- Executed customer segmentation (RFM, K-Means) and churn prediction models (Logistic Regression, XGBoost), boosting retention rates by 18%.
- Implement real-time prediction services by deploying machine learning models on AWS (SageMaker, Lambda), leveraging Docker and Kubernetes, and integrating Flask APIs with Shopify for seamless data access.
- Automated reporting with Power BI dashboards, cutting manual efforts by 30% and enhancing stakeholder decision-making.
- Enhanced inventory turnover by 35% and minimized stockouts by 22% through predictive analytics-driven inventory optimization.
- Conducted A/B testing and hypothesis testing on pricing and promotions, driving a 22% sales increase and reducing acquisition costs by 15%.
- Facilitated Agile (Scrum) delivery processes, fostering collaboration among IT, marketing, and operations teams for seamless project execution.

EDUCATION

Master of Science, Information Systems | University of Maryland, Baltimore County, MD
Bachelor of Technology, Information and Communication Technology | Pandit Deendayal Energy University, Gujarat, IN

CERTIFICATIONS

AWS Certified Data Engineer - Associate