

Nikhil Garbhana

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SUMMARY

Innovative Data Engineer with over 5 years of experience in designing and implementing scalable, secure, and cost-efficient data solutions. Proven track record of successfully leading over 10 projects through the full development lifecycle, resulting in a 25% reduction in storage costs, a 20% increase in customer satisfaction, and a 60% improvement in time efficiency. Expertise in architecting automated environments, building real-time data pipelines, and leveraging tools such as Snowflake, SQL Server, Selenium, and Python. Adept at working with big data, cloud technologies, and optimizing data processing workflows.

SKILLS

- **SQL Databases:** Snowflake, SQL Server, SAP HANA, PostgreSQL
- **Programming Languages:** Python (Pandas, NumPy, Selenium, Flask), SQL
- **Cloud Platforms:** AWS
- **Data Management:** ETL Processes, Data Automation, Data Visualization
- **Project Management:** Requirement Analysis, Stakeholder Coordination, Technical Documentation
- **Soft Skills:** Attention to Detail, Critical Thinking, Problem Resolution, Team Collaboration

EXPERIENCE

Data Engineer | [Micron Technology](#) | Hyderabad, India | September 2022 - Current

- Designed and implemented scalable data pipelines, reducing processing time by 60%.
- Developed Flask and Python applications to streamline database access and integration.
- Automated ETL processes, achieving 75% reduction in manual data handling and enhancing data quality.

Data Analyst | [Innowatts](#) | Gurgaon, India | August 2021 - August 2022

- Analysed client data to generate actionable insights, improving forecasting accuracy and saving 45% in cost.
- Developed and maintained comprehensive reports and dashboards, utilizing MAPE metrics for performance evaluation.
- Optimized data visualization strategies to aid in long-term financial forecasting and strategic decision-making.

Technical Engineer | YES Energy Solutions | March 2020 - July 2021

- Engineered solutions to enhance data processing efficiency and system reliability.
- Assisted in the development and maintenance of data-driven applications and tools.

Software Engineer | [KPIT Technologies](#) | July 2019 - February 2020

- Contributed to software development projects focusing on data management and integration.
- Collaborated with cross-functional teams to deliver high-quality software solutions.

EDUCATION

Bachelor of Technology

GPA: 7.18

Electrical Engineering, National Institute of Technology, Kurukshetra May 2019

PROJECTS

- [Customer Churn Prediction Pipeline](#)
 - **Data Collection:** Set up APIs to ingest transactional and CRM data.
 - Faker to create required data.
 - **Data Ingestion:** Real-time data ingestion from APIs, databases, and streaming sources.
 - APIs and batch ingestion using tools like Airbyte or custom Python scripts
 - **Data Storage:** A centralized data lake and a data warehouse.
 - Raw Data: AWS S3 / GCP Storage as a data lake.
 - **Processed Data:** Snowflake / BigQuery as a data warehouse.
 - **Data Transformation:** ETL/ELT pipelines to clean and transform raw data.
 - Aggregate customer data to generate features like total spending, frequency of logins, and support ticket counts.
 - **Modeling:** Machine learning model for churn prediction.
 - Libraries: scikit-learn, TensorFlow, or PyTorch.
 - Model Deployment: MLflow or FastAPI.
 - **Visualization:** Real-time dashboards for insights.
 - Tableau, Power BI, or Plotly Dash.
- [Real-time sales analytics platform](#)
 - **Business Problem:**
 - An e-commerce company wants to:
 - Analyse sales trends.
 - Identify top customers and products.
 - Monitor inventory levels.
 - Visualize regional sales performance.
 - **Technologies:**
 - Database: PostgreSQL or MySQL.
 - ETL Tool: Python (with Pandas and SQLAlchemy)
 - Visualization: Tableau, Power BI, or Matplotlib/Seaborn.
 - Cloud (Optional): GCP BigQuery or AWS Redshift for scalability.