Nishant Kothari

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WORK EXPERIENCE

Senior Data Science Engineer, *Sabre Travel Technology Pvt. Ltd., Bengaluru*   *April 2022 – Present*

- o **Generative AI:** Enhanced customer experience by utilizing the Gemini Pro model on Vertex AI API with Python to extract insights from data. Developed solutions that allow customers to retrieve meaningful insights using natural language queries, complemented by analytical graphs created with Python libraries.
- o **Data Migration and Validation:** Spearheaded a complex data migration project to Google Cloud Platform (GCP), developing multiple scripts and performing extensive data validation on major tables and sub-tables. Leveraged Google Cloud services, including BigQuery, Cloud Composer (Airflow), and Google Cloud Storage, to ensure a seamless transition.
- o **Interactive Reporting:** Created interactive reports in Looker Studio to facilitate real-time tracking and reporting for over 60 jobs within the Composer ecosystem using BigQuery, enhancing visibility and decision-making.
- o **ETL Solution Architect:** Designed and implemented end-to-end ETL/ELT solutions for various airlines on the Google Cloud Platform. Proactively addressed system challenges, optimized performance, and enhanced overall system efficiency. Achieved significant performance improvements, reducing runtime using Cloud Function, Composer, BigQuery, Pub/Sub, Alerts and Monitoring.
- o **Mentorship and Leadership:** Provided leadership and mentorship to junior team members, supporting them in delivering high-quality results and fostering a collaborative and growth-oriented work environment.

Software Developer, *Tata Consultancy Services, Mumbai*   *July 2019 – March 2022*

- o **Transfer Tool Development:** Engineered a robust data transfer tool that facilitated seamless data migration from PostgreSQL and MySQL databases in high environments to lower environments. This significantly improved the testing process during the initial phases of development, ensuring a more stable and reliable system.
- o **Data Transformation:** Collaborated on the development of data transformation mappings in Informatica, enabling efficient data transfer from diverse sources such as CSV files, MySQL, and PostgreSQL databases to target systems. This played a crucial role in ensuring data accuracy and consistency.
- o **Improvement:** Developed **process improvement** scripts to automate the existing process and **reduce human effort** by **~95%. Process improvement** and **faster delivery** of services were the key areas of improvement.

SKILLS

Languages: Terraform, Python, Dart
Scripting Languages: PowerShell, Shell Script
Databases: BigQuery, MySQL, Oracle, PostgreSQL
Tools: GIT, Visual Studio Code, Jupyter Notebook, Putty
Cloud: GCP (Composer, Storage, BigQuery, Functions, Alerts, Dataflow, Airflow)

ACCOMPLISHMENTS

- o Sabre recognized for demonstrating exceptional qualities in the workplace, including: Rigor, Passion, Curiosity and Partnership
- o **Got Excellence Award twice** for improving the Process and Automation in **TCS** for its customers.
- o 1st place in SIH (Smart India Hackathon) software edition – 2019

EDUCATION

Thadomal Shahani Engineering College, Mumbai | BE in Information Technology   2015 - 2019
GPA: **8.28/10**