

Tanish Sakate

Nationality: Indian **Date of birth:** 27/06/1998  **Phone:** (+91) 9359237642

 **Email:** tanishsakatewrk@gmail.com

 **Home:** Flat 201 D-wing, Kville Ravet, Pune, 412101 Ravet (India)

WORK EXPERIENCE

Consultant

Ellicium Solution [01/01/2022 – Current]

City: Pune | Country: India

- **Cross-Functional Leadership:** Led a team of data engineers and analysts to develop a robust RFP analysis tool using Python, SQL, Databricks, and Azure Data Factory (ADF).
- **Data Model Optimization:** Redesigned critical data models, enhancing query performance and system efficiency with optimal normalization and indexing techniques.
- **Geospatial Tool Implementation:** Directed the creation of a geospatial tool for route optimization with Azure Maps and GeoPy.
- **Automation & Efficiency:** Built an API-based pipeline for should-cost calculations in Azure WebApp, reducing manual effort by 90%.
- **ETL Pipelines Development:** Supervised ETL pipelines for API data ingestion and synchronization across systems.
- **IaC Deployment:** Created dynamic stored procedures to streamline Infrastructure as Code (IaC) deployment.
- **Cloud Migration:** Migrated Python code to Azure FunctionApps, ensuring scalability and maintainability.
- **NoSQL Transition:** Guided migration from SQL to CosmosDB, updating API endpoints for integration.
- **Chatbot Optimization:** Designed an efficient data model for a chatbot using CosmosDB.
- **Deduplication Accuracy:** Migrated backend to Azure Cognitive/Elastic Search, improving vendor deduplication by 80%.
- **API Development:** Built Python APIs using FastAPI for Excel file parsing, validation, and logging results into SQL.
- **Feedback Automation:** Created a pipeline integrating SQL and python-docx to generate vendor feedback.
- **Savings Algorithm:** Designed a savings calculation algorithm with data validations and vendor rankings.
- **ETL Excellence:** Built scalable ETL pipelines using ADF and Databricks for diverse storage solutions like SQL, ADLS, and AWS S3.
- **Supplier Search Enhancement:** Integrated OpenAI and FastAPI for live supplier search functionality.
- **Web Scraping Innovation:** Built a dynamic tool for supplier data extraction using Bing Search API and OpenAI.
- **Excel Consolidation:** Developed a versatile consolidation tool leveraging Openpyxl and OpenAI.
- **Cost Analysis Dashboards:** Implemented ETL processes and Power BI dashboards for cost breakdowns.
- **Search Optimization:** Migrated supplier intelligence to Azure Cognitive Search, enhancing performance by 98%.
- **Automated Notifications:** Created an email notifier using Python, eliminating manual alerts.
- **Web Scraping Efficiency:** Enhanced scrapers using BeautifulSoup, Selenium, and multiprocessing, reducing data extraction time by 90%.
- **Risk Mitigation Engine:** Designed a rule engine for weather-related risk alerts.
- **Database Migration:** Migrated GTO PRIME database to MongoDB as a proof of concept.
- **SQL Optimization:** Reduced application loading times by 60%-90% with optimized queries.
- **Risk Analytics Pipeline:** Developed a pipeline integrating ML models with Apache Airflow and normalized databases.
- **Web Article Pipeline:** Built a pipeline to download articles using Redis and advanced search techniques.
- **PySpark Migration:** Transitioned risk analytics pipeline to PySpark on Databricks and ADF for timely execution.

EDUCATION AND TRAINING

Msc Data Science

Fergusson College [01/01/2021 – 01/03/2022]

City: Pune | Country: India | Website: <https://www.fergusson.edu/> | Level in EQF: EQF level 7

LANGUAGE SKILLS

Mother tongue(s): Marathi | Hindi

Other language(s):

English

LISTENING B2 READING C1 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

DIGITAL SKILLS

Data warehousing / Power BI / ETL / Rust / WebAPP / Pyspark / Tableau / Data Modelling / Pysql / Python / PSQL / SQL / FunctionApp / Databricks / Data Factory / Microsoft Excel / Azure / ELT