

SAKSHI JAYESH PATEL

☎ +1(469)-882-4999 ✉ sakshipatel2598@gmail.com 🌐 [sakshi251298.github.io/](https://github.com/sakshi251298) 🔗 www.linkedin.com/in/sakshipatel25

TECHNICAL SKILLS

Languages: Python, SQL, R, Java, JavaScript.

Frameworks & Tools: React.js, LangGraph, Docker, Git, CI/CD, Airflow, Jenkins.

Cloud & Databases: AWS (S3, Redshift, Athena), Azure, GCP (BigQuery), PostgreSQL, MySQL, MongoDB, Snowflake.

ETL & Integration: Seeburger BIS, REST APIs, GraphQL, Data Modeling, Data Warehousing.

Data Analysis & ML: Pandas, Scikit-learn, NLP, Feature Engineering, Statistical Modeling.

Visualization: Tableau, Power BI, Grafana, Apache Superset, AWS QuickSight, Excel.

AI & Automation: OpenAI, LangChain, RAG, Multi-Agent Systems.

Project Tools: Jira, Confluence, Tosca.

EXPERIENCE

Insight Global, Evergreen

Dallas, TX

GenAI Engineer Intern

January 2025 – May 2025

- Developed an AI-powered SOW generator using LangGraph with multi-agent orchestration, automating drafting, validation, and feedback loops to reduce manual effort by 30%.
- Built a Retrieval-Augmented Generation (RAG) system leveraging LLMs and NLP-driven automation, improving document accuracy by 25% and incorporating vector embeddings stored in PostgreSQL (pgvector).
- Created automated ETL pipelines using Python and SQL to extract, clean, and transform large-scale driver training data, enhancing data integrity and reducing processing time by 35%.
- Deployed the project on Azure, utilizing Azure Compute for scalable processing and Azure PostgreSQL for secure, high-performance data storage alongside integration with Azure OpenAI for LLM inference.

LTIMindtree

India

Data Analyst

July 2021 – August 2023

- Engineered SQL-based automation and data integration scripts for 100M+ transaction records with 99.99% uptime and 94% transformation accuracy.
- Optimized data pipelines using Seeburger BIS and Python by introducing automation scripts and validation logic, decreasing system downtime by 30% and reducing manual interventions by 50%.
- Devised Tableau dashboards for operations and finance teams, driving a 20% increase in reporting efficiency and 15% faster decision-making cycles.

MarketLync

India

Technology Analyst Intern

September 2020 – July 2021

- Created Power BI and Tableau dashboards highlighting user retention and growth, increasing consultation-based revenue by 25%.
- Developed SQL queries and AWS Athena pipelines for real-time metrics and program performance analysis.
- Automated Excel-based stakeholder reports, reducing repetitive tasks by 50%.

ETMantra

India

Analyst Intern

December 2019 – June 2020

- Built and optimized SQL pipelines to extract and transform REST API data for business reporting, decreasing query response time by 40%.
- Designed and deployed Tableau dashboards for automated insights, reducing manual reporting by 20%.

PROJECTS

Big Data Analytics of Truck Fleet Risk Management, UTD

- Built Hadoop/Spark infrastructure to process 10M+ records, reducing latency by 30%.
- Created React-based dashboard integrated with Tableau to track driver behavior and incident risk zones, reducing fleet accidents by 25%.

Instacart – Market Analysis

- Analyzed 3M+ grocery transactions with Python & SQL, improving cross-sell strategy by 15% & forecast accuracy by 25%.
- Visualized key insights using Tableau dashboards to support strategic planning and boost retention by 18%.

RAG Based Generative AI Chatbot

- Integrated an internal knowledge management chatbot using LangChain and OpenAI, enabling employees to retrieve insights from 1,000+ documents with 85% retrieval accuracy.

EXTRA CURRICULUM

The University of Texas at Dallas

Dallas, TX

Graduate Teaching Assistant, Big Data & Data Visualization

August 2024 - Present

- Mentored 50+ students on AWS, Hadoop/Spark, Tableau, Power BI, and Python for real-world data analytics projects.
- Developed curriculum and provided feedback to enhance analytical skills.

EDUCATION

The University of Texas at Dallas

May 2025

Master of Science, Information Technology & Management

Shah & Anchor Kutchhi Engineering College, India

June 2021

Bachelor of Engineering, Computer Engineering