

SAGARIKA SARDESAI

sagarikasardesai13@gmail.com | 6199537007 | [LinkedIn](#) | [Tableau](#) | [GitHub](#) | [Website](#) | SF Bay Area | Open to Relocation

TECHNICAL SKILLS

Languages: SQL, Python, R, Cypher, PySpark, SparkSQL
Databases: MySQL, PostgreSQL, Neo4j, MongoDB
Data Viz & BI Tools: Tableau, Sigma, Qlik Sense, Retool, Adv. Excel (Formulae, XLOOKUP, VLOOKUP, Pivot Tables, Stat tools, Charts)
Cloud Technologies: AWS (Redshift, Glue, S3)
Project Management: Git (Version Control), Jira, Zendesk, Confluence, HP-ALM

EXPERIENCE

- Technical Engineer (Analytics & BI)**
Sigma

San Francisco, CA
Nov 2024 - Present

 - Advising customers on data modeling, data analysis, data warehouses & SQL query performance while maintaining a CSAT score of 4.8+/5.
 - Utilized SQL & Sigma to analyze customer data to inform GTM strategy for go-to-market teams.
 - Conducted root cause and gap analysis, to diagnose and resolve complex technical issues.
- Senior Operations Analyst**
Athelas

Mountain View, CA
Jul 2024 - Aug 2024

 - Optimized revenue cycle management for 10+ medical facilities across 50 US states, to improve medical billing, claim submissions, denials, & reconciliations.
 - Utilized SQL & Retool to design and maintain internal dashboards integrating real-time data (JSON format), enabling data-driven decision-making for leadership, account managers & customer success teams.
 - Conducted root cause and gap analysis using KPIs, to identify and address operational inefficiencies, to improve performance.
- Data Science Research Assistant**
UC San Diego

San Diego, CA
May 2023 - Nov 2023

 - Conducted strategic market research to derive insights into consumer behavior, utilizing data analysis and NLP techniques (VADER and RoBERTa LLM).
 - Improved data accuracy by 10% and revealed significant trends through data cleaning & advanced statistical analysis, contributing to research that shaped decision-making on consumer sentiments.
- Business Analyst**
Credit Suisse

Pune, India
May 2021 - Jun 2022

 - Spearheaded testing [Unit, Integration, Functional, End-to-end, Acceptance, Performance] to enhance business processes, achieving a 70% reduction in defects & improved operational efficiency & resource management.
 - Generated ad-hoc reports & provided actionable insights through data analysis using SQL & Excel, to support business strategy & product development.
 - Conducted root cause and gap analysis to optimise trade lifecycle & align operational workflows with organizational goals.

EDUCATION

- MS, Data Science**
UC San Diego, CGPA 3.90

San Diego, CA
Sep 2022 - Jun 2024
- Btech, Computer Science and Engineering**
Vellore Institute of Technology, CGPA 8.61

Vellore, India
Jul 2016 - Jun 2020

PERSONAL PROJECTS

- Investment Pattern Analysis**
 - Analyzed 165,000+ records to uncover key investment trends in SBIR-funded companies, for market research insights on government funding in different industries.
 - Improved data accuracy by 20% by data cleaning & leveraged Cypher (Neo4j) to map relationships between agencies, enabling more strategic decision-making.
 - Implemented a web scraping data pipeline (Selenium Webdriver, BeautifulSoup) to track real-time news on companies of interest.
- Pandemic Data Insights and Forecasting**
 - Utilized PostgreSQL to analyze the OWID Covid-19 Dataset identifying patterns in global infection and mortality counts, country-specific statistics, and regional peak counts.
 - Forecasted infection numbers for highly affected countries and presented insights visually with Tableau to aid decision-making.
- Predictive Analysis for Fraud Detection**
 - Applied supervised machine learning models like Logistic Regression, Decision Trees, Random Forest, LGBM, LGBM with SMOTE, MLP classifier, Gradient Boosting Classifier, CatBoost, XGBoost, SVM, to detect credit card fraud, saving \$21M.
 - Optimized fraud detection algorithms by feature engineering & selecting features (Kolmogorov-Smirnov statistical test), reducing model training time by 30%.