

# SAGARIKA SARDESAI

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## EDUCATION

<b>MS, Data Science</b> <b>UC San Diego, CGPA 3.90</b> <i>Relevant Courses:</i> Data Management, Probability & Statistics, Statistical Models, Strategic Communication & Storytelling, Introduction to Causal Inference, Scalable Data Systems, Machine Learning, Responsible Data Science, Numerical Linear Algebra	<b>San Diego, CA</b> <b>Sep 2022 - Jun 2024</b>
<b>Btech, Computer Science and Engineering</b> <b>Vellore Institute of Technology, CGPA 8.61</b> <i>Relevant Courses:</i> Data Structures & Algorithms, Database Management Systems, Discrete Mathematics & Graph Theory, Artificial Intelligence, Lean Start Up Management, Object Oriented Software Development, Technical Answers for Real World Problems	<b>Vellore, India</b> <b>Jul 2016 - Jun 2020</b>

## TECHNICAL SKILLS

**Languages:** SQL, Python, R, Cypher, PySpark, SparkSQL, Javascript  
**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

<b>Technical Engineer (Data, BI &amp; Cloud)</b> <b>Sigma</b> • Advising customers on data modeling, data analysis, cloud 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.	<b>San Francisco, CA</b> <b>Nov 2024 - Present</b>
<b>Senior Operations Analyst</b> <b>Athelas</b> • 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.	<b>Mountain View, CA</b> <b>Jul 2024 - Aug 2024</b>
<b>Data Science Research Assistant</b> <b>UC San Diego</b> • 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.	<b>San Diego, CA</b> <b>May 2023 - Nov 2023</b>
<b>Business Analyst</b> <b>Credit Suisse</b> • 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.	<b>Pune, India</b> <b>May 2021 - Jun 2022</b>

## PERSONAL PROJECTS

<b>Investment Pattern Analysis</b> • 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.
<b>Pandemic Data Insights and Forecasting</b> • 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.