

JESICA PATEL

Email: jesticapatel1312@gmail.com ♦ LinkedIn: [Jesica Patel](#) ♦ Phone: +1(951) 346-8551
Riverside, CA

PROFESSIONAL SUMMARY

Experienced Data Analyst with expertise in **data modeling, analysis, and visualization**, leveraging **SQL, Python, and Azure** for actionable insights. Skilled in designing scalable data solutions, enhancing data quality, and collaborating with governance and security teams. Familiar with **ETL workflows, Medallion Architecture, and metadata management** to support strategic objectives.

EXPERIENCE

IT Assistant and Data Analyst

Rogers, Anderson, Melody & Scott, LLP, Riverside, CA

March 2024 – Present

- Designed **Power BI** dashboards to deliver real-time insights, enhancing decision-making processes.
- Partnered with **data governance** teams to address data completeness and strategize remediation plans.
- Developed **SQL scripts** for data extraction, transformation, and validation, improving data accuracy by 20%.
- Explored ETL workflows for automation opportunities and ensured compliance with governance standards.

Technical Analyst

M/S Laksar Consultancy Services, Hyderabad, India

April 2021 – September 2022

- Designed and maintained logical and physical data models using **PowerDesigner** and SQL Server.
- Conducted **metadata** management, creating comprehensive **data dictionaries** to enhance accessibility.
- Collaborated with cross-functional teams to address **data quality** and integrity issues in transactional databases, and modeled analytical data structures, leveraging **APIs** to optimize data workflows.

Research Intern

DA-IICT, India

January 2021 – March 2021

- Developed **machine learning** models (**SVM, CNN**) to improve handwritten character recognition accuracy.
- Conducted algorithmic performance comparisons, contributing to a comprehensive improvement report.

SKILLS

Programming & Tools: Python, SQL (**TSQL**), NoSQL (MongoDB), Azure SQL, **Databricks**, PowerDesigner

Data Modeling & Architecture: Conceptual, Logical, Physical Data Models, **Dimensional Modeling**, Medallion Architecture

Data Analytics: Tableau, Power BI, ETL/ADF, Data Cleaning, Statistical Analysis, **Data Profiling**

Cloud & Big Data: **Azure**, Hadoop, Spark, Data Lake Architectures

Governance & Collaboration: Metadata Management, Data Dictionaries, Exploring Collibra, Microsoft Teams, SharePoint

PROJECTS

Analyzing Online Learning Platform Performance

- Designed **Tableau** dashboards to visualize engagement and retention metrics, increasing course completions by **15%**.
- Explored clustering techniques like **K-means** for student segmentation and improved user-targeted strategies.

Predictive Analytics for Patient Readmissions

- Built **Logistic Regression** models to identify high-risk cases, reducing readmission rates by 12%.
- Conducted data profiling using SQL to prepare datasets for **predictive modeling** and created dashboards for risk profiling.

EDUCATION

Master's in Information Technology Management

Jan–Dec 2023

California Baptist University, Riverside | **GPA: 4.00**

Bachelor of Technology in Information and Communication Technology

2017–2021

DA-IICT, India | **CGPA: 7.7**