

Priyansh Zinzuvadia

San Diego, CA | 6196221443 | priyanshszinzuvadia@gmail.com | [LinkedIn](#) | [GitHub](#)

PROFESSIONAL EXPERIENCE

Data Analyst - Graduate Research Assistant

Aug 2024 - Present

SAN DIEGO STATE UNIVERSITY

San Diego, CA

- Automated ETL workflow using Python and SQL to extract Qualtrics survey data through API, reducing report generation time by 80% and delivering personalized insights report to 500+ students.
- Built interactive cohort analysis Tableau dashboards using historical survey data, enabling trend analysis across 5+ academic years.
- Designed advanced Excel models using Power Query, pivot tables, and VBA macros to automate performance tracking, saving 10+ hours of manual work per week.

Data Analyst

Oct 2023 - July 2024

SDSU - RESEARCH FOUNDATION

San Diego, CA

- Architected scalable Python-based ETL pipelines integrating 12 healthcare units' data into Amazon Redshift, implementing automated validation checks that improved data processing efficiency by 25% and reduced errors by 40%.
- Optimized data warehouse performance through advanced SQL Query tuning and AWS Glue transformations, leading to 35% faster dashboard refresh rates and enhanced data accessibility.
- Designed automated reports and dashboards in Power BI, reducing manual reporting time by 30% and improving data accessibility.
- Developed Machine Learning Models using Python and AWS SageMaker to process 1M+ patient records, achieving 80% accuracy in outcome prediction and enabling proactive care strategies.
- Lead cross-functional meetings with healthcare researchers to gather requirements and present insights through Power BI dashboards, resulting in adoption of data-driven protocols across departments.

Associate Data Analyst

Sep 2022 - Apr 2023

INDIAN SPACE RESEARCH ORGANIZATION

Ahmedabad, India

- Conducted statistical analyses on satellite telemetry data using Python and SQL, identifying patterns to inform mission strategies.
- Performed exploratory data analysis (EDA) to uncover trends and anomalies in space mission datasets, utilizing libraries such as Pandas, NumPy, and Matplotlib to visualize findings and support hypothesis testing.
- Utilized data visualization tools such as Tableau and Power BI to create 5+ interactive dashboards that tracked resource utilization, mission progress, KPIs, enabling real-time insights and increasing operational efficiency by 20%.
- Leveraged Snowflake for data warehousing, optimizing schemas & SQL queries to boost data accessibility & performance by 25%.
- Maintained comprehensive documentation for data processes, facilitating knowledge sharing and ensuring project scalability.

Business Analytics Intern

May 2022 - Aug 2022

UBERGRAD

Hyderabad, India

- Designed and executed A/B testing framework using Python and SQL, analyzing 100K+ user interactions to validate feature improvements, resulting in 10% increase in user adoption.
- Automated reporting workflows using Python scripts and APIs, reducing manual effort by 40% and enabling real-time tracking of user engagement metrics across 5 product features.

EDUCATION

Master of Science, Big Data Analytics | GPA: 3.9/4.0

Aug 2023 - May 2025

SAN DIEGO STATE UNIVERSITY

San Diego, CA

Bachelor of Engineering, Information Technology | GPA: 3.6/4.0

Aug 2019 - May 2023

GUJARAT TECHNOLOGICAL UNIVERSITY

Ahmedabad, India

Google Project Management Professional Certification | [Link](#)

SKILLS

Languages Python, SQL, R

Libraries NumPy, Pandas, Matplotlib, Seaborn, Plotly, Tensorflow, Sci-kit Learn, Keras, Pytorch, Transformers

BI Tools Tableau, Power BI, Looker Studio

Technologies MySQL, AWS - EC2, S3, RDS, MongoDB, GCP - Big Query, Azure - Data Factory, Snowflake, PySpark

Concepts ETL/ELT, SDLC, Supervised & Unsupervised Learning, Neural Networks, NLP, LLMs

PROJECTS

San Diego's Hotel Market Analysis | *Web Scraping, Tableau, Python, SQL* | [Github](#)

- Conducted comprehensive hotel market analysis through web scraping and data preprocessing, achieving 30% reduction in data gaps and delivering actionable insights through interactive Tableau dashboards for strategic decision-making.

Predictive Customer Churn Model for Amazon Product Reviews | *Python, NLP, AWS, Git* | [Github](#)

- Developed an 82% accurate predictive model to identify churn among Amazon reviewers, using historical review data and user activity patterns. Enabled targeted retention strategies by balancing precision and recall for optimized customer engagement.