JEEL KAKADIYA
www.linkedin.com/in/jeelkakadiya | jkakadi1@asu.edu | +1 602 6203572

EDUCATION

Master's in information technology 08/24-05/26
Arizona State University, Tempe, AZ GPA:3.89/4.0
B.E. in information Technology 06/20 - 06/24
Gujarat Technological University, Ahmedabad GPA: 3.72/4.0

SKILLS

- Programming & Data Analysis: Proficient in Python (Pandas, NumPy, Seaborn, Matplotlib), SQL, and R with strong expertise in data cleaning, preprocessing, and exploratory data analysis (EDA).
- Data Visualization & Business Intelligence: Skilled in creating actionable insights and interactive dashboards using Tableau, Power BI, and other BI tools to support data-driven decision-making.
- Machine Learning & Big Data: Experienced in machine learning algorithms, model evaluation, and optimization, with proficiency in handling large datasets, feature engineering, and performance metric analysis for predictive modeling.

PROFESSIONAL EXPERIENCE

Data Analyst - VBI Infotech 01/24 - 06/24

- Built **data-driven insights** for optimizing business strategies, including development of custom data visualizations in **Tableau and Power BI**, which enhanced decision-making and increased **client engagement by 35%.**
- Developed predictive models using Python (Pandas, NumPy) for ad targeting and customer insights, refining strategy for **increased conversion rates by 10%.**
- Conducted analysis on historical data to determine optimal locations for new stores, leveraging insights that supported the **business expansion plan with 40%** higher success rates in target areas.
- Utilized **SQL and database management** to efficiently handle large datasets, crafting complex queries that reduced report generation time by 30%, accelerating data-driven decision-making.
- Designed and implemented a star schema for **data warehousing**, optimizing **data retrieval speeds by 25%** and enabling faster, in-depth analysis across key business metrics for strategic decision-making.

Data Analyst - Arizona State University (DS Lab) 01/25 - Present

- Constructed **a scalable security incident database** leveraging the **star schema** architecture, improving data retrieval speed by **25%** and ensuring efficient data organization.
- **Engineered a robust incident tracking system** to manage and monitor over **50 incidents**, optimizing performance through **advanced SQL queries** and reducing response time by **30%**.**Reinforced data security with encryption** and access controls, mitigating vulnerabilities and enhancing protection.
- Enhanced **Optimized data pipelines** using **query performance tuning** and efficient **SQL queries**, ensuring faster data retrieval for **data analysis and modeling tasks**

PROJECTS

Society Management - Blue Stone Infrastructure 01/23 - 06/23

- Designed and developed an **interactive dashboard** to streamline **society operations**, including **maintenance tracking, renter management, and revenue analysis**.
- Implemented a **star schema database** to optimize **data storage and retrieval**, improving **report generation speed** by 25%.
- Automated **data pipelines and query optimization**, reducing **processing time** by 30% for real-time insights.
- Enabled **data-driven decision-making** by integrating **visual analytics**, improving operational efficiency and financial tracking.

Based Stores Advertising and Revenue ROI - India 06/23 - 12/23

- **Developed a data-driven advertising and revenue optimization system** to enhance marketing strategies and improve ROI for retail stores.
- **Designed and implemented a star schema database architecture**, improving data retrieval speed by 25% and ensuring efficient data organization.
- **Optimized ETL pipelines and SQL queries**, reducing query execution time by 30% and enabling faster data processing for analytics.
- **Integrated data security measures**, including encryption and access controls, to safeguard sensitive business insights.