

MEET PATEL

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WORK EXPERIENCE

TechQsoft

Data Analyst & Frontend Developer

Surat, India

October 2020 – June 2022

- Accelerated feature delivery by 30% and improved sprint completion rate through leading front-end development pipeline and managing sprint cycles for an ERP web application, enhancing user experience and business efficiency
- Reduced dashboard load time by 40% and enabled real-time decision making by optimizing data pipelines for 5+ million records, implementing custom SQL queries and scheduled extracts in Tableau connected to MS SQL Server
- Prevented \$50,000+ in potential losses by developing comprehensive KPIs (usage rate) and KRI (supply remaining) dashboards in Tableau, implementing real-time resource monitoring and automated restocking alerts for manufacturing operations
- Increased monthly unique visitors by 146% and boosted user engagement by 44% by leveraging Google Analytics, wireframing, and redesigning a packaging firm's website, resulting in a more streamlined and visually appealing user experience
- Collaborated with cross-functional teams to articulate requirements and prioritize tasks, leveraging strong communication and interpersonal skills to build consensus and drive project success, ultimately delivering high-quality products on schedule
- Conducted A/B testing on firm's landing page using Google Optimize, achieving a 23% increase in conversion rates by identifying and implementing high-performing design elements

ACADEMIC PROJECTS

Full Stack End-to-end YouTube Semantic Search ML Solution | [GitHub]

September 2024

- Developed a high-performance semantic search system for Data Science YouTube videos, leveraging Sentence Transformers to generate text embeddings, optimizing search accuracy by 35%, implemented user interface with Streamlit
- Engineered and automated ML data pipelines using GitHub Actions for CI/CD, implementing ETL processes to handle 1000+ videos and transcripts from APIs, resulting in a 45% reduction in data preparation time and ensuring analysis-ready datasets
- Architected and deployed a scalable ML solution using FastAPI, Docker, and GCP Cloud Run, implementing automated testing, resulting in 99% uptime and 70% faster deployment cycles

Customer Relationship Management (CRM) Analytics for Marketing Data | [GitHub]

July 2024

- Conducted comprehensive Exploratory Data Analysis (EDA) on a customer dataset using Python, revealing a 50% decrease in spending on top products; leveraged insights to recommend targeted strategies driving higher Average Order Volume (AOV)
- Performed statistical analysis using linear regression models and SHAP values to identify significant factors influencing store purchases and product sales, revealing that web purchases were the most impactful predictors
- Analyzed the effectiveness of marketing campaigns across various countries, identified underperforming regions that led to a 40% reduction in campaign expenditure, and recommended demographic-focused localized strategies enhancing campaign performance

Healthcare Analytics for Value-Based Payment Optimization | [Tableau Viz]

May 2024

- Conducted analysis of Patient Satisfaction Scores (PSS) on hospital survey data to determine payment adjustments
- Lowered data inconsistencies by 40% ensuring data integrity by cleaning and transforming data with PostgreSQL
- Developed an interactive dashboard for hospital performance analysis, streamlining feedback interpretation

People Analytics Dashboard | [Tableau Viz]

December 2023

- Developed a customizable HR dashboard integrating advanced multilevel charts for detailed employee analysis on Tableau
- Enhanced UX with custom calculations, multiple dashboards and interactive elements, resulting in streamlined decision making

EDUCATION

Stevens Institute of Technology

Master of Science in Data Science – Department of Mathematics | GPA: 3.67/4.00

Hoboken, NJ

May 2024

NMIMS University

Bachelor of Technology in Information Technology

Mumbai, India

May 2020

SKILLS

Programming & Data Science: Python, SQL, R, Pandas, NumPy, Seaborn, PostgreSQL, PyTorch

Cloud & DevOps: Docker, FastAPI, AWS ECS, GCP Cloud Run, GitHub Actions

Visualization & Web Development: Tableau, HTML, CSS3, JavaScript, Angular, Bootstrap, Figma