

TARK PATEL

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OBJECTIVE

Motivated and detail-oriented Data Science enthusiast with hands-on experience in building and deploying end-to-end ML projects. Seeking to leverage strong analytical, programming, and problem-solving skills to deliver impactful data-driven solutions in a dynamic role.

TECHNICAL SKILLS

- Programming Languages:** Python, SQL, R
- Statistical Tools:** Excel, Seaborn, Matplotlib
- Machine Learning Libraries:** Scikit-learn, TensorFlow, Keras, PyTorch
- Soft Skills:** Problem-solving, Communication, Teamwork, Critical Thinking

PROJECTS

Food Demand Forecasting

- Built a predictive model to forecast food demand using historical supply chain data, improving inventory planning accuracy.
- Engineered time-series and statistical features to capture seasonality, trend, and demand fluctuations.
- Deployed the model on Hugging Face Spaces, enabling real-time forecasting through an interactive web app.
- [🔗 Live Demo](#)

Pneumonia Disease Detection (Deep Learning & Computer Vision)

- Developed a CNN-based model to classify chest X-ray images as pneumonia or normal with high accuracy.
- Achieved 92% accuracy in pneumonia detection using CNN.**
- Deployed the model as a web app for real-time diagnosis.
- [🔗 Live Demo](#)

Customer Churn Prediction

- Built a machine learning model to predict customer churn for a telecom company.
- Delivered actionable insights that can help reduce churn rate by targeting high-risk customers.
- Achievements: Developed a real-time dashboard for churn analysis.

EDUCATION

M.Sc. in Chemistry(Organic)	<i>Jul 2023 - May 2025</i>
KisanBharti Sci,comm Collage, Mehsana	
B.Sc. in Chemistry	<i>Jul 2020 - May 2023</i>
Government Science Collage, Vadnagar	

CERTIFICATIONS

- Supervised Machine Learning: Regression and Classification** – Stanford University, Coursera *(Jul 2024)*
- Unsupervised Learning, Recommenders, and Reinforcement Learning** – Stanford University, Coursera *(Nov 2024)*