SANJAY THAKOR

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OBJECTIVE

Highly motivated and enthusiastic individual with a solid background in **AI/Machine Learning** and **Data Analysis.** Demonstrates a strong ability to quickly grasp new concepts and adapt to emerging technologies. Passionate about using analytical skills to uncover valuable insights and foster innovation. Eager to contribute to impactful projects and support data-driven solutions within a collaborative, fast-paced team setting.

SKILLS

- **Machine Learning:** Supervised & Unsupervised Learning, Feature Engineering, Model Evaluation, Regression & Classification, Clustering, Time Series Analysis,AI Agent.
- **Frameworks & Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn, Plotly,BeautifulSoup,Selenium
- **Programming Languages & :** Python, C,, Java, SQL
- **Data Visualization:** Power BI, Tableau, Matplotlib, Seaborn, Plotly
- **Tools & Technologies:** Jupyter Notebook, Google Colab,Visual Studio Code,Streamlit, Arduino, ESP32.

INTERNSHIP

Summer Internship – Data Analytics & Machine Learning July 02,2025 - July 16,2025

InfoLabz IT Services Pvt. Ltd., Ahmedabad

- Successfully completed a two-week internship focusing on **Data Analytics** and **Machine Learning**.
- Worked with **API** data for analysis and handled data using pandas.
- Created insightful data visualizations using matplotlib and Power BI.
- Learned the fundamentals of machine learning and implemented **basic regression** models.
- Gained practical exposure to real-world data science workflows and tools.
- Improved problem-solving and analytical thinking through mini-projects and live coding exercises

AI: Transformative Learning with TechSaksham (Microsoft & SAP) Jan 2025 - Feb 2025

- Developed a deep learning model to detect **potato leaf diseases** using **CNN**s.
- Gained hands-on experience with **AI, machine learning, and computer vision**.
- Applied **data preprocessing, model training, and evaluation techniques.**
- Worked with tools like **Python, TensorFlow, Keras, and OpenCV.**
- Improved model accuracy through **hyperparameter tuning** and **data augmentation** techniques.

PROJECT

Potato Leaf Diseases Detection LINK Jan 2025 - Feb 2025

- Built a CNN-based model to classify potato leaf diseases with **~96% accuracy.**
- Handled data collection, preprocessing, and augmentation for model training.
- Role: Led dataset preparation and model training for accurate disease detection.

PrecisionVision: ESP32-Powered Camera Measurement System LINK Sept 2024 - May 2025

Design Engineering Project | 5th & 6th Semester | Hardware + Software Integration

- Built a cost-effective system integrating **ESP32** and **Python (OpenCV)** for automated & manual object measurement.
- Added ultrasonic sensor-based object counting for real-time detection.
- Led development of the manual interface and sensor logic, enabling precise measurement and counting with **95-96% accuracy** for small-scale industries.

Fuel Price Prediction System using Python and Supervised Learning **July 02, 2025- July 16, 2025**

- Developed a Fuel Price Prediction System using Python and machine learning **(Random Forest Regression)** on real-world API data.
- Performed data preprocessing and analysis with **pandas/NumPy**, applying EDA to identify patterns and trends.
- Built and evaluated a complete ML pipeline, creating visualizations in **matplotlib** and Power BI to interpret and present results.

EDUCATION

Bachelor of Engineering in Computer Engineering **July 2022 - June 2026**
Saffrony Institute of Technolgy Mehsana
CGPA: 8.62

Class 12th -HSC **June 2020 - May 2022**
Shree Adarsh High School in Diyodar
GRADE:77.83%

Class 10th -SSC **May 2020**
Shree S.R. Mehta Vidhyalaya Raiya
GRADE:79.50%

SOFT SKILL

- **Time Management**
- **Team Work**
- **Communication**