

# Dhyey Patel

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## Introduction

Information Technology undergraduate passionate about Data Science and Machine Learning. Skilled in Python, SQL, and Tableau with hands-on experience in time series forecasting and interactive dashboards. Completed projects on predictive modeling and IoT systems, adaptability and teamwork abilities.

## Skills

| Languages | Databases | Frameworks   | Tools   | Soft Skills  |
|-----------|-----------|--------------|---------|--------------|
| Python    | SQL       | Pandas       | Figma   | Collaborator |
| Java      | MongoDB   | NumPy        | GitHub  | Adaptability |
| HTML/SCSS |           | Matplotlib   | VS Code |              |
|           |           | Scikit Learn | Tableau |              |

**Interests:** Data Science, Data Analysis, Machine Learning

## Academics

### Gujarat Technological University

Sadar Vallabhbhai Patel Institute of Technology

B.E in Information Technology (2022 - 2026)

CGPA: 8.39

### Gujarat Secondary Education Board

Divine Public School, Navsari

SSC (2020)

PCT: 83%

HSC (2022)

PCT: 70%

## Extracurricular Activities

**LinkedIn:** [dhyey3074](#)

- Coordinator of non technical event at national level tech-fest Prakarsh'25 held at SVIT, Vasad in 2025
- Organized and managed a total of 9 events with around 53 crewmates for seamless event execution.
- Gained experience in event management, coordination and documentation.

## Experience

**LinkedIn:** [dhyey3074](#)

### Machine Learning Intern @ Reliance Industries Limited

Duration: 1<sup>st</sup> July 2025 - 31<sup>st</sup> August 2025

- Worked on a Time series forecasting project on business datasets, to forecast required insight, achieving up to 75% - 80% improvement in prediction accuracy over baseline methods.
- Designed and developed an interactive multi-page Tableau dashboard to visualize key influencing factors and insights for decision-making.
- Conducted data preprocessing, trend analysis, and reporting, enabling stakeholders to derive actionable insights from complex datasets.

# Projects

**GitHub:** [DhyeyPatel30](#)

## **Time Series Forecasting**

Techs used: Python, Scikit Learn, Pandas, NumPy, Matplotlib, Tableau

- Multivariate Time Series forecasting project to predict the future import of a product based on the historical dataset
- Two models, Prophet and XGBoost, are developed to compare the accuracy and output.
- Hyperparameter tuning is performed to increase accuracy.
- Output of the model visualized to derive insights of the prediction and visual comparison of model performance
- Multi-page interactive Tableau is created for Exploratory Data Analysis along with model prediction.

## **Street Light Fault Detection System**

Techs used: Python, Arduino C++, MySQL

- An IoT based automated street light fault detection system, which detects fault, locate the lamp, and displays the details along with location to dashboard.

## **Amazon Prime Videos Database**

Techs used: SQL, MySQL

- Prototype of database to demonstrate storage, update, retrieval and deletion of user data at amazon prime video.

# Certification

**GitHub:** [DhyeyPatel30](#)

## **LinkedIn Learning: Interactive Tableau Dashboard**

Skill gained: Tableau

- Certified in Tableau dashboard design, focusing on interactive visualization, business intelligence reporting, and data-driven decision-making.