



# MITHLESH SINGH PATEL

DATA SCIENTIST

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📄 GitHub Profile

📄 LinkedIn Profile

## EDUCATION

Bachelor of Technology (B.Tech) - CS  
& IT

August 2023 - August 2027  
(Expected)

IES IPS Academy Indore, Indore

Relevant coursework: Data Structures,  
Algorithms, Database Management,  
Object-Oriented Programming.

## PROFILE

Highly motivated B.Tech student with a robust foundation in Computer Science, driven by a profound passion for Data Science and Machine Learning. Proficient in Python, Pandas, Matplotlib, Seaborn, and scikit-learn, with comprehensive hands-on experience in the complete data lifecycle: data cleaning, exploratory data analysis, feature engineering, and building predictive models. Successfully delivered three impactful projects, demonstrating expertise in regression analysis, data visualization, and time-series analysis. Eager to leverage strong analytical and problem-solving skills to contribute to data-driven decision-making in a dynamic environment.

## KEY DATA SCIENCE PROJECTS

### Sea Level Predictor - Regression Analysis

Jan 2025 - Feb 2025

- Developed a robust linear regression model to predict future global sea levels using historical data, achieving [Quantifiable Result, e.g., 'high accuracy in trend prediction'] and visualizing long-term trends.
- Implemented advanced data cleaning, outlier detection, and time-series feature engineering techniques (Python, Pandas, SciPy, Matplotlib).
- Live Demo: [Streamlit App](#) | GitHub: [Repository](#)

### Medical Data Visualizer - Exploratory Data Analysis (EDA)

Mar 2025 - Apr 2025

- Analyzed a comprehensive medical examination dataset to uncover correlations between health metrics and cardiovascular disease (Python, Pandas, Seaborn, Matplotlib).

High School (10th & 12th Standard)  
YOUR\_10TH\_YEAR - YOUR\_12TH\_YEAR  
YOUR\_HIGH\_SCHOOL\_NAME,  
YOUR\_CITY  
Achieved YOUR\_10TH\_PERCENTAGE%  
(10th) and  
YOUR\_12TH\_PERCENTAGE% (12th).

## SKILLS

**Programming:** Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, C, C++

**Machine Learning:** Scikit-learn, Regression, Classification, Clustering

**Data Analysis:** Data Cleaning, EDA, Feature Engineering, Statistical Analysis

**Tools & Platforms:** Git, GitHub, VS Code, Jupyter Notebook, Streamlit, Power BI (Basic)

**Concepts:** Time-Series Forecasting, Problem Solving, Data Visualization, Communication

## HOBBIES

- Engineered new features like BMI and normalized categorical variables, preparing data for robust analysis.
- Generated insightful categorical plots and correlation heatmaps, providing clear visual evidence of health trends and risk factors.
- GitHub: [Repository](#)

## Time-Series Visualizer - Web Traffic Analysis

May 2025 - Jun 2025

- Visualized and analyzed daily page views data to identify long-term trends, seasonal patterns, and outliers in web traffic (Python, Pandas, Matplotlib, Seaborn).
- Implemented advanced data cleaning and filtering techniques on time-series data for accurate pattern detection.
- Developed and presented comprehensive line, bar, and box plots, effectively communicating insights on web engagement.
- GitHub: [Repository](#)

## COURSES & CERTIFICATIONS

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### Data Analysis with Python (FreeCodeCamp)

October 2024 - February 2025

## EXTRA-CURRICULAR ACTIVITIES

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- Actively participate in online coding challenges (e.g., HackerRank, LeetCode) to sharpen problem-solving and algorithmic skills.
- Enthusiastic learner, regularly attending tech webinars and workshops on Artificial Intelligence and Machine Learning.
- Engaged in independent study to explore advanced data analysis techniques and emerging tools.

Solving data challenges, exploring  
new tech trends, reading books,  
playing strategy games like chess.