Anmol Patel

Data Science and Machine Learning

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GitHub Profile
Linkedin Profile
YouTube Channel

Portfolio

EDUCATION

- **Bachelor of Technology in Computer Science and Engineering**
  Parul University, Vadodara

  2023 - Present
  CGPA: 8.31

SKILLS

- **Programming & Languages:** *Python, MySQL, Java, C, HTML, CSS*
- **Libraries & Frameworks:** *NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, TensorFlow, PyTorch, Flask*
- **Tools & Platforms:** *Jupyter Notebook , VS Code , Git / GitHub , Tableau , Power BI*
- **Mathematics & Statistical Methods:** *Probability & Statistics, Hypothesis Testing, Regression , Linear Algebra , Correlation*

EXPERIENCE

- **Data Science Intern**
  AICTE - MainCrafts Technology

  Jan 2026 - Present
  Online (Virtual)
  [Internship Tasks]

  – Worked on data preprocessing, analysis, and visualization using Python
  – Applied machine learning algorithms to solve practical business problems
  – Collaborated on project development and improved deployment readiness
  – Gained exposure to real-world, industry-level workflows

PERSONAL PROJECTS

- **Forest Fire Prediction**   **[Live Demo]**   **[Source Code]**

  A web-based forest fire prediction system built using machine learning regression models, deployed as an interactive application for real-time fire risk analysis.

  – Performed data cleaning, exploratory data analysis (EDA), and feature analysis on the Algerian Forest Fire dataset
  – Built and evaluated multiple regression models (Linear, Lasso, Ridge, Elastic Net) with cross-validation
  – Deployed the model as a web application for real-time prediction
  – Technology Used: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

- **InstaParseX -Text to Insights**   **[View Overview]**   **[Source Code]**

  A core-Python project that processes raw Instagram profile text and transforms it into structured JSON datasets for data analysis.

  – Read and processed raw Instagram profile text from files using Python
  – Parsed, cleaned, and extracted profile attributes such as followers, following, posts, and category
  – Converted unstructured text into structured JSON output without using external libraries or regex
  – Validated parsing logic using multiple datasets (initial and final versions)
  – Technology Used: Python (Core), String Manipulation, File Handling, Lists, Dictionaries, JSON

- **Data Analysis & Visualization Essentials**

  A hands-on project focused on core data analysis and visualization concepts using Python.

  – Implemented numerical computations and array operations using **NumPy**.
  – Performed data manipulation, cleaning, and analysis using **Pandas**.
  – Created visual representations of data insights using plotting techniques/ **Chartify**.
  – Technology Used: Python, NumPy, Pandas, Data Visualization

  NumPy: **Source Code**
  Pandas: **Source Code**
  Chartify: **Source Code**

CERTIFICATIONS   **[View All Certificates]**

- **Data Science & Analytics** - *HP Life, July 2025* **(Verify)**
- **Data Science Job Simulation** - *British Airways (Forage), Feb 2026* **(Verify)**
- **Data Analytics Job Simulation** - *Deloitte (Forage) July 2025* **(Verify)**
- **Data Visualization: Empowering Business with Effective Insights** - *TATA (Forage), Sept 2025* **(Verify)**

ACHIEVEMENTS   **[View All Achievements]**

- **Generative AI – Value Added Course** **(Verify)**
  Parul University (NAAC A++) × Rishabh Software (16 Hours) | July 2025 – Sept 2025
- **DevOps Meets AI** **(Verify)**
  AWS Cloud Club × Parul University (NAAC A++) | June 2025

ADDITIONAL   **[View GATE Preparation]**

[Source Code]

- Preparing for GATE-2027 (Data Science & Artificial Intelligence – DA)
- Focused on Data Science, Machine Learning, AI, Statistics, DBMS and Data Warehousing
- Regular problem-solving and concept revision