

ANMOL PATEL

DATA SCIENCE & MACHINE LEARNING

[Portfolio](#) | anmolkpatel42@gmail.com | Vadodara, Gujarat, India

PROFILE SUMMARY

Data Science and Machine Learning Pre-final year Student with experience in predictive modeling, and data visualization. Skilled in applying statistical analysis and ML techniques to deliver data-driven solutions.

SKILLS

Programming & Languages: Python, MySQL, C, C++, HTML, CSS, JavaScript

Libraries & Frameworks: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, 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

PROJECTS

Forest Fire Prediction ([Link](#))

Cleaned and preprocessed the Algerian Forest Fire dataset. Performed exploratory visualizations, feature engineering, and built regression models (Linear, Lasso, Ridge, Elastic Net) to predict fire-related metrics.

Tools: Pandas, NumPy, Matplotlib, Scikit-learn

Chartify ([Link](#))

Developed a Python-based data visualization project to create bar charts, histograms, scatter plots, subplots, styled graphics, etc., demonstrating different visualization techniques.

Tools: Python, Matplotlib, Seaborn, Pandas, NumPy

NumPy Essentials ([Link](#))

Explored core functionalities of NumPy: array creation, indexing, slicing, broadcasting, mathematical operations, and performance comparison with pure Python

Pandas Essentials ([Link](#))

Hands-on exploration of Pandas: data cleaning, transformation, aggregation, merging, reshaping using real datasets.

Krushiraah [AI-Powered Agriculture Web App (Hackathon Project)] ([Link](#))

Developed a web application aimed at sustainable farming. Features include: crop recommendation, disease detection, weather forecasting, market insights.

Technologies: HTML, CSS, JavaScript, React, Python, ML APIs

SmartSocialRecommender ([Link](#))

Built a recommendation system on social network data. Processed, cleaned data, analyzed user relationships, generated friend and page suggestions based on mutual connections and shared interests.

ACHIEVEMENTS

- **Generative AI – Value Added Course** ([Link](#))
Parul University (NAAC A++) × Rishabh Software (16 Hours) | July 2025 – Sept 2025
Completed structured training in Generative AI, prompt engineering, and applied AI workflows.
Gained hands-on exposure to real-world GenAI use cases and industry practices.
- **DevOps Meets AI** ([Link](#))
AWS Cloud Club × Parul University (NAAC A++) | June 2025
Participated in an industry-focused session on DevOps practices and AI integration.
Gained exposure to AI-driven DevOps workflows and cloud-based tools.
- **Vadodara Hackathon 6.0** ([Link](#))
Parul Innovation & Entrepreneurship Research Centre, Parul University (NAAC A++) | Sept 2025
Participated in a multi-day hackathon focused on innovation, problem-solving, and teamwork.
Contributed to real-world solution development in a collaborative environment.

CERTIFICATIONS

- **Data Analytics Job Simulation** — Deloitte / Forage (Issued: July 2025) ([Verify](#))
- **Data Science & Analytics** — HP LIFE (Issued: July 2025) ([Verify](#))
- **Data Visualization: Empowering Business with Effective Insights** — TATA / Forage (Issued: September 2025) ([Verify](#))
- **Quantitative Research Job Simulation** — J.P. Morgan / Forage (Issued: December 2025) ([Verify](#))
- **Natural Language Processing (NLP) and Text Mining Tutorial for Beginners** — SimpliLearn / SkillUp (Issued: December 2025) ([Verify](#))
- **Critical Thinking in the AI Era** — HP LIFE (Issued: December 2025) ([Verify](#)).

EDUCATION

- B.Tech in Computer Science and Engineering — **Parul University (2023–2027)**
- **Relevant Coursework:** Currently specializing in Data Science and Machine Learning also preparing for GATE-2027 (Data Science & Artificial Intelligence).

CONTACT

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