

# SANKALP CHAUHAN

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## EDUCATION

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<b>Drs. Kiran &amp; Pallavi Patel Global University</b> <i>B.Tech in Computer Science and Engineering</i>	09/2022 – 05/2026 Gujarat, India
<b>Navrachana Vidyani Vidyalaya</b> <i>HSC</i>	2021 – 2022 Vadodara, India
<b>Navrachana Vidyani Vidyalaya</b> <i>SSC</i>	2019 – 2020 Vadodara, India

## PROFESSIONAL EXPERIENCE

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<b>Machine Learning Intern</b> <i>SaiKet Systems</i>	30/04/25 – 30/05/25 Vadodara, India
<ul style="list-style-type: none"><li>Built a customer churn prediction model using telecom data (<b>5,000+ records</b>), achieving <b>87% accuracy</b> and <b>0.91 ROC-AUC</b> via Logistic Regression and Gradient Boosting.</li><li>Developed end-to-end ML pipelines for <b>data preprocessing, feature engineering, and hyperparameter tuning</b>, improving model performance by <b>18%</b> and reducing training time by <b>25%</b>.</li><li>Evaluated models using <b>precision, recall, F1-score, cross-validation</b>, ensuring robustness and generalization across datasets.</li><li>Visualized insights with <b>Matplotlib</b> and maintained version-controlled codebase via <b>Git</b>.</li><li><b>Tools/Tech Used:</b> Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Git.</li></ul>	

## PROJECTS

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### Diet and Workout Recommender using AI Machine Learning

- Built an AI-powered health recommendation system with **Streamlit UI**, processing **4+ user inputs** (age, weight, goals, preferences) to generate **personalized diet and workout plans**.
- Integrated **calorie-based meal plans** with **real-time nutrient graphs**, improving user understanding by **30%** (based on feedback metrics).
- Developed an **ingredient-specific diet module** offering **50+ combinations** filtered by nutritional values and dietary restrictions.
- Implemented **adaptive workout suggestions** based on **user equipment availability**, boosting routine relevancy by **40%**.
- Containerized the entire application using **Docker**, reducing deployment time by **70%** and enabling seamless cross-platform testing.
- Tools/Tech Used:** Python, Pandas, NumPy, Scikit-learn, Streamlit, Matplotlib, Docker, Git.

## SKILLS

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### Programming Languages:

C, C++, Python, Java

### Web Technologies:

HTML, CSS

### AI/ML Tools:

Scikit-learn, NumPy, Pandas, TensorFlow

### Concepts:

Generative AI, Prompt Engineering, NLP, Data Preprocessing, Supervised Learning

### Other Tools:

Git, GitHub, Google Colab, Jupyter Notebooks

## CERTIFICATES

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- Level 1: E-Commerce - Flipkart GRID 6.0 (Software Dev Track)
- National IP Awareness Mission by IPO, India
- Python Essentials 1, Cisco
- Cybersecurity & Ethical Hacking – Rinex
- Delegate: International Seminar on AI Opportunities
- All India NCAT'24 (COP)