

SANKALP CHAUHAN

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EDUCATION

Drs. Kiran & Pallavi Patel Global University
B.Tech in Computer Science and Engineering

09/2022 – 05/2026
Gujarat, India

Navrachana Vidyani Vidyalaya
HSC

2021 – 2022
Vadodara, India

Navrachana Vidyani Vidyalaya
SSC

2019 – 2020
Vadodara, India

PROFESSIONAL EXPERIENCE

Machine Learning Intern
SaiKet Systems

30/04/25 – 30/05/25
Vadodara, India

- Built a customer churn prediction model using telecom data (**5,000+ records**), achieving **87% accuracy** and **0.91 ROC-AUC** via Logistic Regression and Gradient Boosting.
- Developed end-to-end ML pipelines for **data preprocessing, feature engineering, and hyperparameter tuning**, improving model performance by **18%** and reducing training time by **25%**.
- Evaluated models using **precision, recall, F1-score, cross-validation**, ensuring robustness and generalization across datasets.
- Visualized insights with **Matplotlib** and maintained version-controlled codebase via **Git**.
- **Tools/Tech Used:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Git.

PROJECTS

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

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

- 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)