Banti Patel

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in banti_patel linkedln | ☺ b a n t i   p a t e l   g i t h u b | 🖳 My portfolio

Surat, Gujarat, India

ABOUT

Being a computer science and engineering student specializing in Machine Learning and AI, with an interest in developing AI methods to create useful solutions. Focused on using AI to address challenging problems and contribute to practical advancements.

EDUCATION

Charotar University of Science and Technology (CHARUSAT)   *august 2023- March 2027*
B.Tech Computer Science & Engineering   Anand, India
∘ CGPA: 9.30/10.00 (up to 3 Sem.)

Sanskarkunj Gyanpith   *March 2023*
Higher Secondary Education   Surat, India
∘ Percentage: 81.28%

Sanskarkunj Gyanpith   *May 2021*
Secondary Education   Surat, India
∘ Percentage: 89.17%

PROJECTS

- **Fruit Quality Detection**

  Programming Languages: Python   *2025*
  Tools & Models: Streamlit(UI), Keras, Convolutional Neural Networks, Opencv ,TensorFlow , Numpy , Pandas
  - Developed a Streamlit-based AI system that uses Deep Learning (CNN) with TensorFlow Lite to predict fruit quality with 91% accuracy through image uploads and real-time webcam analysis.

- **Dynamic WareGrid - Warehouse Management System**

  Programming Languages: Python   *2025*
  Tools : Streamlit, Plotly. OpenCV, Hugging Face, Pandas, Twilio API
  ∘ Dynamic WareGrid is a Python-based warehouse management system built with Streamlit, offering real-time inventory tracking, barcode scanning, customer management, transaction logging, and AI-powered chatbot assistance. It features interactive data visualizations (Plotly), WhatsApp alerts for low stock (Twilio API), and barcode generation/scanning (OpenCV), ensuring efficient and automated warehouse operations.

- **PlaceAI - Placement Prediction System**   *2025*

  Programming Languages: Python ,HTML , CSS ,Javascript

  Models: Logistic Regression

  Tools/ Framework : Flask, Scikit-Learn, NumPy & Pandas , Jinja2 , Github , Railway(Deployment)

  - PlaceAI is a Flask-based ML web app that predicts student placement using CGPA & IQ , aiding career assessment.

- **Inventory Management System**

  Programming Languages: C++   *2024*
  Framework: .NET
  -Developed the Inventory Management System (IMS) to simplify inventory tracking, reduce manual effort, and enhance efficient product management.

ACADEMIC CERTIFIED COURSES

1. **Design and Analysis of Algorithms** (Offered by IIT Kharagpur - NPTEL)

2. **Data Structure and Algorithms Using Java** (Offered by IIT Kharagpur, NPTEL)

POSITIONS OF RESPONSIBILITY

- **TechGenius Club:** O p e r a t i o n s & l o g i s t i c s t e a m   (Year: 2025-2026)

- **AIML Club :** Member (Year: 2025-2026)

CERTIFICATIONS

1. **Machine Learning Specialization** (Offered by DeepLearning.AI & Stanford University - Coursera)

   - Supervised Machine Learning: Regression and Classification
   - Advanced Learning Algorithms
   - Unsupervised Learning, Recommenders, Reinforcement Learning

2. **Getting Started with AI on Jetson Nano** (Offered by NVIDIA)

3. **Crash Course on Python** (Offered by Google - Coursera)

4. **Kaggle Course –** Python , Machine Learning

5. **HackerRank Certificate** (Python , Java)

6. **PyQuest Hackathon(2025) –** Fourth Rank

7. **Ideathon (2025) –** Third Rank

SKILLS

- **Key Strengths:** Machine Learning (ML), DEEP Learning(DL) , User Interface Designing (UI)
- **Programming Languages:** Python, C++, C, Java , HTML , CSS , Javascript
- **Frameworks :** TensorFlow, Keras, Pandas, NumPy, Matplotlib, Seaborn, scikit-learn, Flask
- **Tools :** Power BI ,Jetson Nano, PostGreSQL MySQL
- **Soft Skills:** Adaptive, Collaborative, Organized

ACHIEVEMENTS

- 210+ LeetCode Problem Solved (https://leetcode.com/u/PATEL_BANTI/)
- HackerRank - C/Java(4 star), C++ (5 star) , Python (2 star) (https://www.hackerrank.com/profile/23cs_058)
- Participate University Level DoesHack`24 ai based hackathon organized by Meditab
- Participate State Level techathon 2025 At Adani Institute of Digital Technology organized by thinkbiz