



DHAVAL PATEL

AI & ML ENTHUSIAST

About Me

I am Dhaval S. Patel, a passionate 2nd-year B.Tech CSE student with a strong foundation in programming, software development and problem-solving. I have experience in web development, Java-based applications, and database management, along with machine learning (ML) and deep learning (DL). I actively participate in competitive programming on platforms like LeetCode and work on projects involving Java, Python, C++, MySQL, JavaFX, Firebase, and Android app development. My expertise ML model development, and deep learning frameworks, where I explore AI-driven solutions.

Education

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY -

CHANDUBHAI S PATEL INSTITUTE OF TECHNOLOGY (CSPIT)

Bachelor of Technology - BTech. Computer Science
July 2023- April 2027
CGPA 9.43

BAPS SWAMINARAYAN VIDHYAMANDIR, GONDAL

June 2021- April 2023

BOARD 95.45 PR GUJCET 96.49 PR

PROJECTS

FRUIT QUALITY PREDICTION

Developed a Deep Learning application that leverages an Convolutional Neural Network to accurately classify the quality of six fruits—Apple, Banana, Guava, Lime, Orange, and Pomegranate—into some categories: Good, Bad, or Mixed. The CNN architecture efficiently extracts visual features to deliver reliable, high-performance classification in real-time quality assessment.

Jan 2025- March 2025

Contact

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Skills

- Machine Learning
- Artificial Intelligence
- Deep Learning
- Python
- Problem Solving
- Java
- C++

Language

- English
- Hindi
- Gujarati

HOBBIES

- Tech Experimentation
- Programming
- TABLA PLAYING

ACHIEVEMENTS

- LeetCode 220+ Problems Solved
- HackerRank – C/C++(5 star), Java (4 star)
- HackerRank Java Basic Certificates
- HackerRank Python Basic Certificates
- Coursera Google Course on Python
- Coursera Supervised Machine Learning: Regression and Classification
- Coursera Advanced Learning Algorithms
- Kaggle Course – Intro to Programming
- Kaggle Course – Python
- Kaggle Course – Intro to Machine Learning
- 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
- C++ STL And Templates Peer Learning session conduct by me.
- institute level Kaggle competition
- Nvidia Course getting started with jetson nano
- NPTEL Data Structure and Algorithms using Java Secure Elite

CHARUSAT EVENT MANAGEMENT SYSTEM

The College Event Management System is designed to streamline the management of student participation in various sports events. The system enables event organizers to track participation, mark attendance date-wise, search for students, and generate reports in an efficient and structured manner.

This project is built using Python, with Pandas for data handling and Gradio for an interactive user interface. The system also incorporates PDF generation for attendance records, making it a robust and user-friendly solution for event management.

Jan 2025- March 2025

INVENTORY MANAGEMENT SYSTEM

Inventory Management System (IMS) is a desktop application developed in Visual Studio using C++. It facilitates efficient management of inventory by providing functionalities such as adding, removing, updating, searching, and displaying products. The system utilizes the libxl library for Excel handling and CLR (.NET Framework) for the graphical user interface (GUI).

March 2024- May 2024