

EDUCATION

Bachelor of Technology

Computer Science and Engineering(8.47/10CGPA)	Pandit Deendayal Energy University, Gandhinagar	2023-2027
12th Science - 85%	Doon Public School Bhuj	2021-2023
JEE MAINS - 92.8 percentile	Army Public School Bhuj	2010-2020

SKILLS

Programming Languages	C++, Python, Java
Frame Works	Scikit Learn, Langchain, YOLO,
Hardware	Arduino
Database	MySQL, PostgreSQL

PROJECTS

SoC Calculation Using ML:

- Applying Machine learning to EV Car trip dataset. Where multiple trips were taken in account to calculate the State of Charge(SoC) reducing error less than 0.02%.
- Implemented this in a website where multiple parameters can be used through sensors to calculate SoC and also provided maps functionality which shows the nearest EV charging station.

Smart Traffic Light System:

- An IOT based project where IR sensors are used to detect the density(Can be scaled by implementation of CV and cameras) and change the intervals of red/green lights.
- Arduino was used as the micro-controller and a Shift register (74HC595)

Furnace Temperature Controller Prototype:

- A PID controller implemented by code which controls a OWON power supply which heats a heater whose temperature is detected using arduino and MAX6675 Module
- This project is being scaled right now where this control system is going to be implemented in furnace of temperature range 1200°C

Object detection System:

- A computer vision based project build with the help of YOLO world models on a streamlit based web app this project was a starting project while being an intern at innovation intellect pvt ltd
- It uses laptop's camera and detects the entered objects in a textbox in this phase of the project every frame captured by the camera is stored in a postgresql database in byte form

ACHIEVEMENTS

- Winner of Pre Tech Nova Hackathon

EXPERIENCE

- Machine learning intern at innovation intellect pvt ltd

CO-CURRICULAR ACTIVITIES

Anirveda - Techno Economic Club, PDEU

- Event Management SUBCOM Member (2023-24): Assisted in planning and executing events such as IPL Auction, Global-o-poly, and Ambush, ensuring participant decorum.
- Event Management and Creative Head (2024-25): Led a team, hosted events, developed rule books, and managed budget paperwork. Currently organizing Breach 2025, Anirveda's first hackathon with a ₹1.5 lakh prize pool, including fundraising and paperwork management.

Chess Enthusiast:

I am 97.7th percentile in rapid chess on the most popular chess website