

Param Andharia

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in Param Andharia

Education

Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar October 2022 - Present

B. Tech in Mathematics and Computing

- CPI: 8.64/10

- **Coursework:** Mathematics, Comparison of Algorithms, Algorithmic Thinking, Computational Methods

The KPES English School, Bhavnagar

2021 - 2022

Class 12th

- Grade: 82.92%

The KPES English School, Bhavnagar

2019 - 2020

Class 10th

- Grade: 88.67%

Projects

Database Management For Music Streaming Platform

DA-IICT, Gandhinagar

Guide: Prof. Rachit Chhaya

September 2023 -

November 2023

- Developed a music database system to organize song and user information efficiently.
- Created an SRS (Software Requirement Specifications) document by surveying colleagues and designed an ER diagram based on the survey, which was then converted to a relational model.
- Later on, worked on the normalization of the initial database design, then implemented the schema and queries on the database using PostgreSQL.

Implementing the above Music Database to a Functional Website

DA-IICT, Gandhinagar

Tools and Technologies used: HTML, CSS, Node.js, PostgreSQL, Express JS

September 2024 - Present

- Currently, implementing the above work on database into a functional website using technologies like PostgreSQL for locally handling the database, Node.js for handling backend queries, Express JS, and Embedded JS.
- Successfully, implemented search functionalities based on song name, artist name, album name, etc, and displaying those songs on the search route.
- Users can then play their requested song on Spotify by clicking a dedicated button provided for this functionality.
- The project includes user authentication, enabling users to sign up and log in securely.
- Future Plans include allowing users to create their own playlists and introducing recommendation systems by integrating machine learning concepts.

Basic Bank Dashboard for German Bank

[GitHub Repo Link](#) 

Tools and Technologies used: HTML, CSS, Node.js, Supabase

January 2025

- Designed a basic website that handles basic transaction functions on a bank account such as daily earnings, add bank balance, transfer to another user, deposit into bank, withdraw from bank with transaction log with timestamp.
- Main focus was on database management part as any data loss is not favourable for a bank's database.

Housing Price Prediction using EDA and Machine Learning

[GitHub Repo Link](#) 

Guide: Prof. Gopinath Panda

October 2024 - December

2024

- The housing price prediction project focuses on analyzing and predicting housing prices using historical data

and the Housing Price Index (HPI) provided by U.S. government sources.

- Through exploratory data analysis (EDA), various factors influencing housing prices, such as location, property features, and economic conditions, were examined.
- Finally, employed machine learning techniques to build predictive models that estimate housing prices, aiming to uncover trends and patterns that can guide real estate decisions.

Positions of Responsibility

Event Coordinator at Synapse

Jan 2024 - Feb 2024

Coordinated the flagship event, "Rampage", for Gujarat's largest annual technological fest, Synapse'24. Responsibilities included organizing the event, securing sponsorships through negotiation, and maximizing participation from colleges

Team Member at AI - Club, DA-IICT

September 2024 - Present

Organized various speaker sessions monthly to increase knowledge and awareness regarding AI and ML among juniors.

Experience

Rural Internship at Ajeet Foundation

December 2023

- Worked at "Ajeet Foundation, Naroda" for women empowerment. Visited various small scale factories in villages near Ahmedabad.

Tools and Technologies

Languages: C++, C, Java, SQL, JavaScript, Python, MATLAB

Technologies: VSCode, PostgreSQL, Node.js

Skills

Area(s) of Interest: DSA, DBMS, Machine learning, Competitive Programming, Problem Solving

Technical Electives: OOP in Java, Exploratory Data Analysis, Design and Analysis of Algorithms, Operating Systems, Parallel Algorithms

Achievements

Solved 600+ problems across various coding platforms.

Secured AIR 4279 in JEE Mains 2022.

Secured AIR 4333 in IIT-JEE Advanced 2022.

Achieved a 99.53 percentile rank in SSC-2020, a 99.74 percentile rank in GUJCET-2022, a 99.11 percentile rank in HSC-2022, and secured the 172nd rank in Gujarat ACPC-2022.

Hobbies

Stargazing and Astronomy

Gaming

Listening to Music