

Nisarg Thakkar

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EDUCATION

St. Xavier's High School Loyola Hall
HIGHER SECONDARY

Ahmedabad, Gujarat
2018 – 2020

DEPSTAR, CHARUSAT UNIVERSITY
B.TECH IN INFORMATION TECHNOLOGY

- SEM I TO V - 9.4 CGPA

Anand, Gujarat
August. 2020 – Present

EXPERIENCE

Eternal Web Pvt Ltd
Junior Backend Developer

Ahmedabad, Gujarat
May 2022 – July 2022

- Build and maintain REST API for different sites using multiple databases.
- Developed a full-stack web application using EJS, Express and MongoDB.
- Created Sequelize based REST API for property booking website with PostgreSQL as Database.

PROJECTS

Sketcherly - Collaborative Dashboard

NextJS, Redux Toolkit, Firebase, use-gesture, React Spring, AWS Amplify January 2023 – Present

- Sketcherly is a web application that allows multiple users to work together in real-time to design and create visualizations, prototypes, and user interfaces.
- The platform offers access to third-party apps, including the Unsplash Image API and React Icons, to enhance its functionality.
- Authentication is secured via AWS Amplify Code Verification, ensuring that users' information remains confidential.

GesturePlay - Controlling Game Movements using Computer Vision

MediaPipe, CV, Mongoddb, Tkinter, Pygame December 2022 – February 2023

- Revolutionize gaming experience with GesturePlay solution for motion-capture interaction, delivering a cost-efficient way to universally control video games.
- With the ability to recognize more than 500 features on the human body, including 468 facial features, 21 hand features, and 33 body features, GesturePlay offers extensive control inputs to any video game.
- GesturePlay uses Python OpenCV to capture camera feed and Google's Mediapipe models to estimate feature positions on the subject. It then stores gesture feature coordinates and uses euclidean distances to compute similarity scores for future poses, generating annotated images as output via OpenCV and PyAutoGUI for keyboard presses.

Anime NFT's Marketplace

NodeJS, Hardhat, Solidity, ReactJS, NextJS August 2022 – November 2022

- The Anime NFT Marketplace Dapp is a platform for anime lovers and collectors who want to buy, sell or auction anime-related NFTs. The platform was developed using blockchain and smart contract development and tools such as Hardhat.
- To ensure seamless and fast transactions, the marketplace was integrated with the InterPlanetary File System (IPFS), a decentralized and distributed system for storing and accessing files.
- As an open-source project, the Anime NFT Marketplace is designed to be customizable and easily forked, allowing developers to build and deploy their own NFT marketplaces with minimal effort.

IOT based Weather Monitoring and Weather Prediction using ML

ReactJS, ExpressJS, PowerBI, ThinkSpeak Cloud, ML, IOT January 2022 – June 2022

- The circuit implemented, primarily makes use of a Node-MCU, for data collection it requires sensors like temperature, pressure, humidity and rainfall.
- The collected data is then processed using a random forest classifier ML model to predict the likelihood of rainfall.
- Web App is used to enter the Weather data to predict the rainfall.

For more projects, kindly visit **GitHub**.

PUBLICATIONS

IOT based Weather Monitoring and Weather Prediction using ML

4th International Conference on Inventive Computation and Information Technologies

August 2022

TECHNICAL SKILLS

Languages: C/C++, SQL (MySQL and Postgres), JavaScript, HTML, CSS, Python

Frameworks: Express.js, Flask, Material-UI, Next.js

Developer Tools: AWS, Git, Google Cloud Platform, VS Code, Arduino IDE, Power BI

Libraries: React, pandas, NumPy, Matplotlib, Tensorflow, Keras

VOLUNTEER EXPERIENCE

Content Writer at Club Gamma Charusat

Organized events, conducted workshops and delivered workshops regarding Web Development.

Anand, Gujarat

August 2022 – Present

Mentor at FOSS Overflow

Mentor at FOSS Overflow, helping students to contribute open source projects.

Bhilai, India

December 2022 – Present

Community Manager at DeCodeCafe Community

I manage social media, organize events, communicate with community for feedback and needs.

Gujarat, India

January 2023 – Present

Graphics Designer at GDSC WOW Gujarat

I crafted designs for the Ticket, overall Presentation that left a lasting impression.

Ahmedabad, Gujarat

February 2023 – April 2023