

DHRUV KIRANBHAI PATEL

Software Engineer

✉ Mail

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in LinkedIn

🔗 GitHub

🔗 Leetcode

🔗 HackerRank

EDUCATION

Charotar University of Science and Technology

B.Tech. in Computer Engineering

📅 Sep 2022 – Present 📍 Anand, Gujarat

CGPA : 9.4/10

MT Jariwala School

Higher Secondary School

📅 May 2021 – Jul 2022 📍 Surat, Gujarat

PERCENTAGE : 89.74 %

TECHNICAL SKILLS

C/C++, Full Stack Developer, MERN, REST API, Machine Learning, Data Structures & Algorithms, Generative AI, NLP, Langchain, Git, Cloud Computing, CI/CD, SQL Optimization.

Tools: GitHub, Hugging Face Transformers, MySQL, Docker, Postman, AWS

EXPERIENCE

Agevole Innovation | Full-Stack Developer Intern 📅 May

2024 – June 2024

📍 Surat, India

- Contributed to the **personal Blog's web** project, primarily focusing on the UI and functionality.
- Created and set up **routes** for various user roles, including **admin** and **author** for strong security features.
- Tech Stack:** Reactjs, Nodejs, Express js, MongoDB

CERTIFICATIONS

- Introduction to AWS.
- Workshop of Generative AI from SCRATCH (Feb 2024)
- Introduction to Java and Object-Oriented Programming from Coursera (Aug 2023)
- Workshop of Demystifying Machine Learning from Club Gamma (March 2023)
- Participation in different coding event like Code Arcade, Code-Pie 3.0, Relay and Blind Coding

COURSES & TRAINING

- Data Structures & Algorithms
- Design and Analysis of Algorithm
- Object Oriented Programming with C++
Introduction to Java & Object Oriented Pro-gramming
- Python Programming
- Computer Networks
- Database Management System
- Theory of computation
- Blockchain and its applications

PROJECTS

• MCQ Generator using generative AI

The project utilizes LangChain, a powerful framework for building language model applications, to create an intelligent system that generates multiple-choice questions (MCQs). LangChain orchestrates the language models, enabling seamless interaction and fine-tuning for the creation of diverse and contextually relevant questions.

TechStack: openai API, langchain, streamlit

• Medical Chatbot

This project involves developing an intelligent Medical Chatbot designed to assist users with healthcare-related inquiries. The chatbot uses natural language processing (NLP) to understand and respond to user queries, providing information on symptoms, treatments, medications, and general health advice.

TechStack: flask, pinecone, Huggingface API, LLM

• SQL Chatbot

This project implements an intelligent chatbot that interacts with users in natural language and retrieves relevant data from a SQL database. Using Machine Learning (ML) models for Natural Language Processing (NLP), the chatbot understands user queries, converts them into SQL statements, and fetches accurate responses. The system leverages embeddings for query understanding, a vector search mechanism for intent matching, and a Flask-based API for seamless interaction. This chatbot enhances data accessibility, making database queries intuitive for non-technical users.

TechStack: openai API, langchain, streamlit, MySQL(database).

• Personal Blog's web application

This project focuses on creating a personal blog platform using the MERN stack, which includes MongoDB, Express.js, React, and Node.js. The application allows users to create, edit, and manage blog posts, offering features such as user authentication, comments, and tagging. It perform CRUD operation

TechStack: MERN stack

• Library management system

This project involves building a full-featured Library Management System. The system manages library operations such as book cataloging, user management, and transaction tracking, providing an intuitive and efficient interface for both librarians and users.

TechStack: PHP, MySQL, html, css

• Hotel management system

The system streamlines hotel operations such as room bookings, guest management, billing, and service requests, providing an efficient and user-friendly platform for both hotel staff and guests.

TechStack: MERN stack

ACHIEVEMENTS

- Solved 300+ coding problems on LeetCode, CodeChef, and Codeforces.
- Codeforces Max Rating: 602
- CodeChef Max Rating: 974
- LeetCode Rank: 1,466,181
- HackerRank Score: 1256