Kashyap Trivedi

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Education

DHIRUBHAI AMBANI UNIVERSITY, Gandhinagar, Gujarat	**October 2022 - Ongoing**
B.Tech in Information and Communication Technology	CPI: 6.38
KNOWLEDGE HIGH SCHOOL, Nadiad, Gujarat	**March 2022**
Class XII, Gujarat State Education Board	Percentage: 70.90%

Skills

Programming Languages: C, C++, HTML, CSS, JavaScript, Python, MatLab, Verilog HDL
Frameworks and Libraries : Tailwind CSS, React, PostgreSQL, Numpy, Pandas, Matplotlib, Linux

Coursework

Introduction to Programming, Data Structures and Algorithms, Object-Oriented Programming, Design and Analysis of Algorithms, Database Management System, Computer Networks,Software Engineering, Time Series Analysis, Applied Forecasting Methods.

Projects

Newsly-Personalized AI News Aggregator GitHub   *May 2025 - June 2025*

Built a full-stack MERN app for personalized news with Email/OTP Google OAuth login, interest-based feeds, and daily digests. Integrated AI (summarization, translation, chatbot via Mistral API). Included bookmarking, profile management, Razorpay-based subscriptions, and request limits. Designed responsive UI with Material UI, dark mode, and accessibility support.

Time Series Forecasting of Air Quality Index GitHub   *March 2025 - April 2025*

Developed a robust time series forecasting model to predict Air Quality Index (AQI) in Gandhinagar Sector 10 using ARIMA, SARIMA, and deep learning models (RNN, LSTM, GRU). Leveraged Empirical Mode Decomposition (EMD) to preprocess the data and improve accuracy, achieving an R^2 of 0.82 and RMSE of 9.47 with the GRU model. Integrated statistical testing, decomposition, and model evaluation for comprehensive analysis.

Staff Grid Live |GitHub |Project demonstration   *August 2024 - December 2024*

A comprehensive tool for managing employee accounts, profiles, attendance, salaries, leave requests, and more. It features secure login, audit logs, and system security, making it easy to use for both admins and employees.

Indian Premier League Database GitHub   *January 2024 - March 2024*

A project that analyzes team and player performance, assisting selectors for upcoming seasons. It also provides functionality for booking tickets to upcoming IPL matches.
Techstack: PostgreSQL, Data Definition Language (DDL) Scripts, Entity Relation (ER) Diagram

Achievements

- Solved 1200+ Data Structures and Algorithm questions on GeeksForGeeks and Leetcode.

- Current Problem of the Day streak of 309 days on GFG and 536 days on Leetcode (till 22.06.2025).

Positions Held

Electronic Hobby Club   *August 2023 - October 2024*

Ex-Core Member at Electronic Hobby Club, DAIICT

Coordinator   *November 2023*

Coordinated in i.bot,a part of i.fest (Gujarat's largest technical fest).