

Education

Degree	Institution	CPI/%	Year
B.Tech	IIT Gandhinagar	8.05	2020 - Present
Class XII	My Shanon School, Vadodara	78.6	2019-2020
Class X	JJI School, Thermal	94.59	2017-2018

Projects and Internships

- **Solo Project, Chain Reaction: Web-Based Multiplayer Board Game** [March-May 2023]
 - Created a web-based multiplayer board game, "Chain Reaction" using Django, HTML, CSS and JavaScript.
 - Implemented local and online multiplayer modes, allowing players to engage in random matchmaking or challenge friends for competitive play.
 - Leveraged Django Channels and WebSockets for real-time gameplay updates and in-game chat function for enhanced player interaction during online multiplayer.
 - Utilized Django models for efficient data management of individual user information, friend relationships and game statistics.
 - Enhanced full-stack web development skills, covering front-end design using HTML, CSS, and JavaScript; back-end development using Django, and efficient data handling for real-time synchronization, multiplayer matchmaking, and seamless data storage.
- **Summer Intern, IIT Gandhinagar** [May-July 2022]
 - Worked under the guidance of Professor Nipun Batra on machine learning models, with a specific focused on Hidden Markov Models (HMMs).
 - Implemented essential HMM components, including HMM sampling, the Viterbi algorithm, and parameter estimation using Baum-Welch algorithm.
 - Contributed to the enhancement of Dr. Kevin Murphy's [book repository](#) on GitHub, resolving workflow errors and improving code quality.
 - Transformed generated plots into LaTeX format to ensure high-quality and visually appealing figures for improved readability and comprehension.
 - Utilized libraries such as JAX, matplotlib, seaborn, and TensorFlow to create visually appealing and insightful data visualizations, enhancing the overall presentation.
- **Team member, Food Delivery Database Project** [Jan-March 2023]
 - Contributed to the development of a robust food delivery database system.
 - Played a key role in designing database schema and basic frontend security checks.
 - Ensured ACID compliance for reliable data management.
 - Acquired proficiency in MySQL, query writing, and database management principles.

Skill Summary

- **Languages:** Python, C, C++
- **Libraries:** Django, NumPy, Pandas, Matplotlib
- **Skills:** Data Structures and Algorithms, Machine Learning, Database Management System

Extra-Curricular Activities

- Skilled in Creating realistic 3d models and animations using Blender software.
- Passionate chess player.