

ACADEMIC DETAILS				
Degree	Specialization	Institute	Year	CPI/%
B.Tech.	Chemical Engineering	IIT Gandhinagar	2022-Present	6.76
Class XII	Physics, Chemistry, Maths	Vivekanand School, Gangapur City	2020-2021	93.2
Class X		Vivekanand School, Gangapur City	2018-2019	79.5

- PROJECTS
- Exploratory Data Analysis [Project Link](#)

[Jan '24 - March '24]

◦ Collected diverse datasets and cleaned with Pandas, dealt with inconsistencies and missing values.

◦ Utilize Matplotlib, Seaborn, and Pandas to create informative boxplots, offering a comprehensive visual understanding of the data distribution and aiding in identifying trends and patterns crucial for decision-making.

◦ Implemented K-Means Clustering to cluster accommodation locations based on student preferences, integrating geolocal data from the Foursquare API and presenting findings on an interactive map using Folium and Seaborn.

• Text Extraction and Natural Language Processing for Article Analysis [Project Link](#)

[April '24- May '24]

◦ Accurately extract article text from URLs using Python with BeautifulSoup, ensuring precision by filtering out headers, footers, and irrelevant content. Save each article in a separate text file.

◦ Perform thorough text analysis on extracted articles using NLP techniques. Compute multiple variables such as positive and negative scores, polarity scores, subjectivity scores, and average sentence length.

◦ Organize and present analyzed data comprehensively, integrating input variables with computed text analysis metrics to ensure clarity and coherence for easy interpretation and further analysis.

• Alien Onslaught using Pygame [Project Link](#)

[May '23 - June '23]

◦ Developed 2D Alien Onslaught game using Python and Pygame, showcasing Python proficiency, game development skills, and object-oriented design.

◦ Implemented engaging gameplay mechanics including player movement, enemy AI, and weapon upgrades for an immersive gaming experience.

◦ Designed intuitive user interface enabling seamless navigation through multiple levels, demonstrating attention to detail and problem-solving abilities.

• Data Narrative [Project Link](#)

[Feb '23 - April '23]

Prof. Shanmuganathan, IIT Gandhinagar

◦ Utilized ML algorithms and data visualization tools to analyze diverse datasets including tennis championships and educational data.

◦ Applied statistical techniques and ML models to extract insights from real-life data from tennis championship and U.S. News educational data.

◦ Developed data narratives with Python tools to communicate findings effectively, showcasing technical expertise and storytelling skills.

• Login SignUp page

[Aug '23 - Sep '23]

[Project Link](#) | [Interface Link](#)

◦ Developed backend functionalities to securely handle user authentication and registration using HTML, CSS, PHP, and MySQL, integrating MySQL database for efficient data management.
- TECHNICAL SKILLS

• **Programming Languages:** Python, C++, C, HTML, CSS, JavaScript and PHP.

• **Tools:** MATLAB, Jupyter Notebook, Arduino, XAMMP, Polymath, Cantera, Autodesk Inventor and Fusion 360.

• **Libraries:** Tensorflow, Seaborn, Matplotlib, Pandas, Numpy,NLTK, BeautifulSoup, Pygame and Folium.
- RELEVANT COURSES

• DSA, DCC, Probability, Stastics and Data Visualization

• Machine learning Specialization course by Andrew Ng
- ACHIEVEMENTS

• Achieved 15th rank among all IITGN students in CodeRush 2023, a prestigious coding competition hosted by Algo University, showcasing strong problem-solving skills and algorithmic proficiency.

• 2 Star coder at CodeChef with the maximum rating of 1491.
- EXTRA-CURRICULAR ACTIVITIES

• Represented IITGN at InterIIT Aquatics 2023, demonstrating competitive spirit and teamwork in Aquatic games

• Pursue passion for sports through regular participation, highlighting dedication to physical fitness and a balanced lifestyle.