

ACADEMIC DETAILS				
Degree	Specialization	Institute	Year	CPI/%
B.Tech.	Chemical Engineering	IIT Gandhinagar	2022-Present	7.30
Class XII	Physics, Chemistry, Maths	Vardhman Academy, Meerut	2022-2022	94.2%
Class X		Vardhman Academy, Meerut	2018-2020	92.6%

INTERNSHIPS	
<div><div><div>• Summer Research Intern, Built Environment Lab, IIT Gandhinagar (Github)</div><div>(Advisor - Prof. Sushobhan Sen(PI), Prof. Manish Kumar(Co-PI))</div><div><div>◦ Developed an integrated siting tool for nuclear power plants in India</div><div>◦ Utilized PyQt5, GeoPandas, Matplotlib, and QT Designer to build the application.</div><div>◦ Defined and prioritized features to enhance user experience and streamline the process of identifying optimal locations for nuclear power plants.</div></div></div></div> <div><div>[May '24 - June '24]</div></div>	

PROJECTS	
<div><div><div>• Logical Puzzle and Graph-based Games developed using C and C++</div><div>(Prof. Balagopal Komrath, IIT Gandhinagar)</div><div><div>◦ Developed games including Connect4, Up-it-Up, Sudoku Solver, and a 2x2x2 Rubik's Cube Solver using optimal move strategies and graph traversal algorithms to enhance two-player interactions.</div><div>◦ Designed intuitive user interfaces for various games and applications, significantly improving user experience and engagement.</div></div></div></div> <div><div>[Aug '23 - Nov '23]</div></div>	
<div><div><div>• Analysis of Datasets using Probability, Machine Learning, and Statistics</div><div>(Prof. Shanmuganathan Raman, IIT Gandhinagar)</div><div><div>◦ Performed statistical analysis on datasets including American College Data (AAUP/US News), Goodreads Books, and 2013 Grand Slam Tennis.</div><div>◦ Extracted insights using Python libraries like NumPy, Seaborn, Plotly, Pandas, and Scikit-Learn for data manipulation and visualization.</div></div></div></div> <div><div>[Jan '23 - April '23]</div></div>	
<div><div><div>• Flex Glove: Sign Language Tool for Mute People : (Prof. Udit Bhatia)</div><div></div><div><div>◦ Device which converts the sign language to the vocal language.</div><div>◦ Worked on the Working of the glove, App UI, devices required, and product's design perspective in a team of 15 students.(Flex Glove)</div></div></div></div> <div><div></div></div>	

TECHNICAL SKILLS	
<div><div><div>• Programming Languages: Python, C++</div><div>• Tools: LATEX, Git, Arduino UNO, Autodesk Suites, Laser Cutting, Figma, Adobe Suites (Portfolio)</div><div>• Libraries:NumPy, SciPy, Pandas, GeoPandas, Matplotlib, Plotly, Seaborn, Scikit-Learn.</div></div></div>	

POSITION OF RESPONSIBILITY	
<div><div><div>• Secretary, Media, and Public Relations Committee Cell</div><div></div><div><div>◦ Responsible for coordinating various communication efforts and public relations activities</div><div>◦ Manages the social media handle of MAPRC, @studentlifeiitgn.</div></div></div></div> <div><div>[Sept 2023 - July 2024]</div></div>	
<div><div><div>• Design & Marketing Core, Inter IIT Sports Meet 2023.</div><div></div><div><div>◦ Designs the posts and banners and manages their social media handles.</div><div>◦ Edits the videos for their social media handles.</div></div></div></div> <div><div>[Oct-2023 - Jan-2024]</div></div>	
<div><div><div>• Design Core, Hallabol'24, IIT Gandhinagar</div><div></div></div></div> <div><div>[Jan 2024 - Feb 2024]</div></div>	
<div><div><div>• Senior Team Member, Tinkerer's Lab, IIT Gandhinagar</div><div></div></div></div> <div><div>[May 2023 - Present]</div></div>	

EXTRA-CURRICULAR ACTIVITIES	
<div><div><div>• Sports: Participates in basketball, football, and swimming.</div><div>• Making videos: I express a creative side through making videos on my YouTube channel.</div><div>• Contests: Participated in the Hackathon named HackRush'24, HackRush'23 and Coding Nights.</div><div>• Tinkerering: Loves to make exciting things using Laser Cutter, 3d Printer and Vinyl Cutter.</div></div></div>	