

EDUCATION

Degree	Institute	CPI/%	Year
B.Tech	IIT Gandhinagar	7.69	2019-2024
Class XII	Ascent College, Visakhapatnam	10.0	2018-2019
Class X	J.M.J High School, Kanchili,A.P	9.8	2016-2017

PROJECTS

- **Lirix - A Programming Language** [Prof. Balagopal Komarath, IIT Gandhinagar] [Github](#) Aug 2023-Nov 2023
 - Implemented the **lexical analysis, parsing, semantic analysis**, and code generation as four distinct phases of **compilers** for Lirix. Incorporated diverse features such as conditionals, loops, nested functions, and arrays.
 - Led group discussions, delivering valuable insights and feedback, driving significant rise in team efficiency.
 - Authored comprehensive documentation for the language, effectively documenting the language's features, syntax, and usage, enhancing user understanding and facilitating adoption of Lirix.
 - **Identified and resolved 80+ errors**, enhancing code quality and reliability. Achieved 95% test coverage through comprehensive test case development.
- **Recommendation System - A WebApp** [Prof. Anirban Dasgupta, IIT Gandhinagar] [Github](#) Mar 2023-Apr 2023
 - **Led a team of 4** in developing a personalized movie recommendation system, optimizing user experience.
 - Devised **project development plan**, optimizing resource utilization & ensuring a structured approach. Learnt API integration for Banners and key NLP components, enhancing accuracy of recommendations.
 - Designed an **intuitive four-page interface**, leading to a 50% reduction in user navigation time and facilitating seamless discovery of desired movie recommendations for enhanced satisfaction and engagement.
- **Database System for Sports Management** [Prof. Mayank Singh, IIT Gandhinagar] Jan 2023-Mar 2023
 - Crafted a compelling problem statement through collaborative discussions among a team of 10 members to develop a sports management system, enabling efficient equipment processes and resource utilization.
 - Demonstrated proficiency in **database design** by constructing an impactful ER diagram using the conceptual schema. Implemented logical schema, leveraged draw.io to visually communicate the system's intricacies.
 - Designed user-friendly interface for staff equipment management and user transaction access, enhancing satisfaction and engagement.
- **Kartoner - A Product Prototype** [Prof. Mansi Kanetkar, IIT Gandhinagar] Aug 2020-Nov 2020
 - Designed an efficient cardboard storage solution by identifying key issues, fetching data from various sectors.
 - Developed conceptual designs considering human factors, and created a functional prototype.
 - Presented the product's prototype, demonstrating its usability and addressing identified storage problems.

TECHNICAL SKILLS

- **Languages:** Python, C, C++, SQL(Basics), Verilog
- **Tools:** Autodesk Inventor, Latex, FPGA (Basics), MS Suite
- **Version Control System:** Github
- **Relevant Courses:** Data Structures and Algorithms, Compilers, Operating Systems,Databases, Digital Systems

POSITIONS OF RESPONSIBILITY

- **Core Member, ATHE League'20** [IIT Gandhinagar] Jan 2020 - Feb 2020
 - Organized and hosted a **series of sports events**, ensuring a competitive & inclusive environment for athletes.
- **Volunteer, AMALTHEA'19**, [Tech Summit IIT Gandhinagar] Oct 2019
 - **Collaborated with the organizing team** on the event's D-Day. Assisted in coordinating logistics, managing registrations, and ensuring a smooth execution of the summit.

CO-/EXTRA-CURRICULAR ACHIEVEMENTS AND ACTIVITIES

- Received the prestigious Pratibha Award from the Chief Minister of Andhra Pradesh in recognition of outstanding academic performance in SSC.
- Showcased exceptional speed and endurance as a semi-finalist in the Men's 200m race at the Inter IIT Sports Meet.
- Achieved the runner-up position in the intracollege cricket league, displaying strong cricketing skills.