

ACADEMIC DETAILS				
Degree	Specialization	Institute	Year	CPI/%
B.Tech.	Computer Science and Engineering	IIT Gandhinagar	2022-Present	8.28
Class XII	Physics, Chemistry and Maths	Narayana Junior College	2021-2022	98.7
Class X		JNV Rangareddy	2019-2020	96.2

INTERNSHIPS

AI Intern, L&T Technology Services (LTTS)

(Dr. Kaushik Halder, LTTS)

Implemented **Multi-Agent PPO (MAPPO)** for scalable reinforcement learning policy optimization.

Designed a **data-driven maintenance risk prediction model**, improving industrial uptime and resource efficiency.

[May '25 - July '25]

PROJECTS

OlympiaTrack: Sports Management System

(Prof. Yogesh Kumar Meena, IIT Gandhinagar) | [Project Link](#)

Developed **secure RESTful APIs** using Flask & MySQL with **role-based access control** and session validation.

Ensured **data integrity** and audit logging to prevent unauthorized modifications.

[Jan '25 - April '25]

Critical Infrastructure Monitoring Framework

(Prof. Sameer Kulkarni, IIT Gandhinagar) | [Project Link](#)

Developed a **multithreaded Python monitoring framework** supporting HTTP, DNS, SSL, and latency checks.

Integrated **MySQL logging** and automated alerts for persistent metrics and proactive incident detection.

Built a **Streamlit dashboard** visualizing uptime, response time, latency, and packet loss for real-time monitoring.

[Jan '25 - April '25]

ATM Communication Protocol

(Prof. Abhishek Bichawat, IIT Gandhinagar) | [Project Link](#)

Built a **secure ATM protocol in C++** with socket programming for real-time banking transactions.

Integrated **SSL/TLS and AES encryption** to ensure secure authentication and data transmission.

Designed a **multi-user file-based account system** for scalable transaction handling.

[Sep '24 - Nov '24]

Lightweight DBMS with B+ Tree Index

(Prof. Yogesh Kumar Meena, IIT Gandhinagar) | [Project Link](#)

Implemented a **Python-based lightweight DBMS** with a custom B+ Tree for efficient data storage and query processing.

Ensured database persistence for secure storage and tested performance against brute-force methods.

[April '25]

RELEVANT COURSEWORK

Systems & Software: Databases, Operating Systems, Computer Networks, Computer Networks & Security, Software Tools & Techniques, Computer Organization & Architecture, Digital Systems, Data-Centric Computing

Theory & Programming: Data Structures and Algorithms I & II, Discrete Mathematics, Theory of Computing, Probability, Statistics & Data Visualization

TECHNICAL SKILLS

Programming: Python, C

Web & Tools: HTML, CSS, JavaScript, Flask, Streamlit, Linux (WSL), Docker, Git

Databases: MySQL

ACHIEVEMENTS

Recognized on the **Dean's list** for exhibiting exemplary academic performance in Semester 1 with a CPI of 8.8.

Awarded Best Project for "Two Cars" Game Implementation on Basys3, surpassing 13 competitors.

Selected as a **Reliance Foundation Undergraduate Scholar** (Top 5000 out of 40,000 applicants).

Achieved 1st position in the Volleyball Association of Gandhinagar District Championship 2023-24.

NCC A Certificate holder – Demonstrated leadership, discipline, and commitment to national service.

EXTRA-CURRICULAR ACTIVITIES

Volleyball player

Competed for IIT Gandhinagar at the Inter-IIT Sports Meet 2023, hosted by IIT Bombay.

Contributed significantly to team performance and represented IIT Gandhinagar in intercollegiate tournaments.