

ACADEMIC DETAILS

Degree	Specialization	Institute	Year	CPI/%
B.Tech.	Electrical Engineering	IIT Gandhinagar	2021-2025	8.08
Class XII	Physics, Chemistry, Maths	Shri Chaitanya Techno School, Bangalore	2020-2021	96.8
Class X		Ryan International School, Bangalore	2018-2019	97.6

PROFESSIONAL EXPERIENCE

- Software Engineer, GlobalLogic (A Hitachi Group Company)

[July 2025 – Present]

◦ Working on automotive software projects for a globally recognized German luxury automobile manufacturer, contributing to embedded systems, Python automation, and Computer Vision applications.

◦ Developed a Computer Vision-based automated testing system for infotainment screens, including black screen detection, audio validation, and KPI analysis; built an interactive live-analysis UI using synchronization and multi-threading.

◦ Designed a Python Tkinter-based UI to automate backend integration between HILS and Codebeamer, improving automotive testing workflows with features like multi-language support and keyboard shortcuts.

◦ Contributed to OTA (Over-The-Air) security development, implementing CA certificate-based authentication and secure communication protocols.
- AI-ML Engineer, Acuver Consulting

[Jan 2025 – July 2025]

◦ Implemented Retrieval-Augmented Generation (RAG) models to enhance chatbot responses and developed AI-driven dashboards integrating embedding search, NLP, prompt engineering, and analytics.

◦ Built time series forecasting models (ARIMA, SARIMA, SARIMAX, Prophet) to predict product sales, enabling data-driven order planning and inventory optimization; additionally optimized supply chain routes to improve fulfillment efficiency.

◦ Developed a Retail AI Advisor using LangGraph-based agentic AI architecture, where multiple agents analyzed historical customer data, current trends, location insights, and weather patterns. The system processed user prompts and synthesized multi-factor analysis to recommend optimal products from inventory using an AI model.
- Trading Analyst, Axxela Research and Analytics

[May-July 2024]

◦ Analyzed and traded futures contracts in the EURIBOR market, gaining proficiency in financial markets, trading mechanisms, and technical indicators like ATR and moving averages.

◦ Developed expertise in risk management strategies, including hedging techniques to mitigate potential losses and optimize trading decisions.

PROJECTS

- Analyzing the factors that affect the country GDP, Coding Ninjas

[May 2023]

◦ Analyzed a huge dataset related to the country’s resources and found necessary insights that would affect the GDP.

◦ Developed comprehensive dashboards in Tableau by creating detailed graphical representations, visualizing key data insights, and enabling effective data-driven decision-making.
- Retail Strategy Analysis | Data Analyst Project, Coding Ninjas

[June 2023]

◦ Analyzed large datasets having multiple tables like order details, customer information, and product returns, to generate key business insights such as profit/loss by category, state-wise performance, and customer profitability.

◦ Leveraged SQL to extract insights such as profit/loss by product category, state-wise performance, and customer profitability. Identified patterns in product returns and highlighted regional trends to inform business decisions.

◦ Created detailed visualizations in Tableau, including pie charts for product category performance, line charts to track sales trends over the time, and map charts for geographic profit distribution. These visual representations simplified complex data making it easier to grasp key trends and make informed decisions.
- Simulation Study of Solar Cells, IIT Gandhinagar

[August-November 2023]

◦ Conducted in-depth analysis of the structure and operation of solar cells, with a focus on understanding the impact of solar radiation on their performance.

◦ Improved solar cell design by implementing optimized structural changes and simulating these enhancements using nextNano software, resulting in increased efficiency and better overall performance.
- Data Visionaries, Team member, Bitcoin Blockchain analysis, IIT Gandhinagar

[January-April 2024]

◦ Conducted graph and nodal analysis on Bitcoin blockchain data using data science algorithms like Louvain Algorithm and spectral clustering to uncover patterns and relationships within the network.

◦ Analyzed blockchain data to provide insights into transaction flows, network centrality, and potential vulnerabilities.
- Team member, Embed Innovators, LPG gas detection and prevention, IIT Gandhinagar

[January-April 2024]

◦ Developed an LPG gas detection and safety alarming system using an STM32 microcontroller, integrating components such as Node MCU Module, MQ5 sensor, servomotor, LCD, LEDs and buzzer.

◦ Implemented detection algorithms to identify LPG gas leakage and trigger preventive actions, including activating alarms, controlling valves like gas knob and notifying the owner about the leak on the mobile phone.

POSITIONS OF RESPONSIBILITY

- **Tech Expo Executive, Amalthea [Annual Technical Summit]** [2022-2023]
 - Demonstrated strong proficiency in database management and **effective communication** with company HoDs while excelling in collaboration and teamwork within a group of 10 members to achieve project objectives.
 - Exhibited exceptional presentation and analytical skills, along with strong **teamwork** abilities, by contributing to collaborative projects and driving effective data-driven decision-making processes.
- **Event Executive, Blithchron [Annual Cultural Fest]** [2022-2023]
 - Successfully led a team of 10 individuals as the **event leader** for a singing event-Euphony, showcasing strong **leadership** and **event management** skills.
 - Gained valuable experience in team collaboration and coordination in managing event logistics and execution.

TECHNICAL SKILLS

- **Languages:** Python, C++, QNX, Java, MySQL, Verilog, MATLAB
- **Tools:** Raspberry Pi, Tableau, PowerBI, MongoDB, Postman, AWS, Canva, Autodesk Inventor

RANKS AND ACHIEVEMENTS

- Achieved **99.689 percentile in JEE Mains 2021** with an All India Rank of 3515 and a perfect **100 percentile in Mathematics**. item Awarded the **Techno Savvy title for coding skills and the Academics Award** at 10th school farewell.
- Secured an **All India Rank of 663** in the **GATE 2025 – Data Science and Artificial Intelligence** paper and an **All India Rank of 1130** in the **Electronics and Communication Engineering** paper.
- Achieved a **96.95 percentile** in the **CAT exam**, with an exceptional **99.76 percentile in Data Interpretation and Logical Reasoning**.
- Won a **bronze medal** at the state level in the **National Cyber Olympiad (NCO)**.
- Qualified for the **semi-final round of the Tata Imagination Challenge**, standing out among 1.15 crore participants, showcasing technological and business understanding.

EXTRA-CURRICULAR ACTIVITIES

- Represented IIT-Gandhinagar in the dance competition at **Inter-IIT Cultural Meet-2022** held at IIT Chennai.
- A dedicated **sports enthusiast** with a deep passion for various sports, especially cricket.
- Enthusiastic about **traveling and exploring new places** and cultures to broaden perspectives.