

ACADEMIC DETAILS

| Degree | Specialization | Institute | Year | CPI/% |
|-----------|----------------------------------|---|-----------|-------|
| B.Tech. | <i>Electrical Engineering</i> | IIT Gandhinagar | 2021-2025 | 8.08 |
| Class XII | <i>Physics, Chemistry, Maths</i> | 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.