

ACADEMIC DETAILS				
Degree	Specialization	Institute	Year	CPI/%
B.Tech.	Material Science and Engineering	IIT Gandhinagar	2021-Present	8.00
Class XII	Physics, Chemistry, Maths	Pace Junior Science College Nerul (HSC)	2020-2021	91.33 %
Class X		Ryan International School Kharghar (ICSE)	2018-2019	94.00 %

- INTERNSHIP EXPERIENCE
- University of Miami — High-Temperature Advanced Ceramic Matrix Composite (CMCs)
    - Conducted comprehensive mechanical testing on CMCs with SiHfBCN matrices, evaluating flexural strength, toughness, and durability across a range of load conditions. Additionally, performed detailed analyses of high-temperature stability and corrosion resistance, offering critical insights into the material’s performance under extreme thermal and oxidative environments.
    - Optimized material design for aerospace applications by refining the composition of SiHfBCN-based CMCs. This included improving thermal conductivity, mechanical resilience, and long-term durability, addressing the rigorous demands of green energy solutions and enhancing material suitability for high-performance aerospace systems.

- PROJECTS
- Power BI Report for Hospitality Revenue Insights [Power BI, Excel] [GitHub Link](#)
    - Developed an interactive Power BI dashboard analyzing 10,000+ records across five datasets to identify key revenue trends, booking patterns, and room utilization insights. Designed and optimized DAX calculations, allowing real-time revenue forecasting based on customer booking statuses, significantly improving financial analysis capabilities.
    - Created visually dynamic dashboards integrating multiple visualization techniques, ensuring clear, data-driven insights for revenue optimization and operational efficiency. Conducted time-series forecasting on historical revenue data, providing actionable insights for seasonal pricing strategies and maximizing revenue potential.
  - HR Data Analytics using Power BI, SQL [GitHub Link](#)
    - Optimized attendance tracking by analyzing 849 present days and 139 work-from-home entries, enabling a comprehensive understanding of workforce engagement. Automated analysis of leave trends, including 9 sick days and 662 weekly breaks, to improve monitoring and reporting efficiency.
    - Transformed raw data into actionable KPIs, providing valuable insights into attendance and leave patterns to support better HR decision-making. Streamlined SQL queries for data aggregation, significantly improving accuracy and reducing payroll processing time for enhanced operational efficiency.
  - Loan Eligibility Prediction Using Classification Models [Python] [GitHub Link](#)
    - Performed extensive data preprocessing on 614 records, applying missing value imputation techniques and feature engineering methods to enhance predictive accuracy. Conducted exploratory data analysis (EDA) to highlight the most influential factors in loan approval rates, providing key insights into customer profiling and risk assessment.
    - Designed and optimized classification models, including Logistic Regression and Decision Trees, achieving 80% accuracy through iterative tuning, feature selection, and model enhancements to ensure robust and reliable predictions.
  - Football Player Transfer Value Prediction Model [Python, Pandas] [GitHub Link](#) [April '23 - May '23]
    - Created a football player transfer value prediction model using a dataset of 10,754 entries, achieving an  $R^2$  of 0.82 through Decision Trees, Random Forests, and Gradient Boosting, supported by refined preprocessing and hyperparameter tuning for improved accuracy.

- POSITIONS OF RESPONSIBILITY
- Sports Events Management Coordinator, IITGN Sports Council
    - Led the planning and execution of 5+ intercollegiate sports events, effectively managing logistics for over 500 participants to ensure seamless operations. Established structured event planning frameworks to optimize resource allocation, communication, and coordination between teams, resulting in improved operational efficiency.
    - Secured sponsorships and vendor partnerships through strategic negotiation, significantly enhancing the scale and reach of events. Designed contingency plans and risk management strategies, ensuring smooth event execution under varying conditions.
  - Hallabol Coordinator (Sports Fest), IITGN (Football league of IITGN)
    - Directed Hallabol, IITGN’s largest sports fest, leading 50+ volunteers and collaborating with 6 committees to optimize resource planning, budgeting, and overall event quality, while establishing effective communication channels to enhance participant satisfaction and ensure smooth event execution.

- TECHNICAL SKILLS
- Programming Languages: Python, SQL , R
  - Tools: Origin, EXCEL, PowerBI, Tableau, Jupyter Notebook
  - Libraries: Pandas, Matplotlib, Seaborn, Scikit-learn, NumPy
  - Soft skills : Leadership, Communication Skills, Strategic Planning, Data Storytelling, Problem-Solving