

# Raj Trivedi



## Education

### **B-TECH (INSTRUMENTATION) - 7.42 CGPA**

Institute of Technology, Nirma University  
2019 - 2023

## University Project

### **TITLE - AUTO- REGRESSIVE MODELS FOR THE PREDICTION OF POLLUTANTS IN WASTE WATER**

- Conducted predictive analysis on multiple years of pollution data, applying various algorithms (AR, MA, ARMA) to forecast future pollution values and improve accuracy in forecasting.
- Skills : Proficiency in Excel, R Programming and MATLAB.

## Activities

- Elected as a Treasurer for ISA (International Society of Automation), which included campaigning and lobbying.
- As a treasurer, getting a sponsorship of one lakh+ rupees for the events, driving next batch to take on similar challenges and establishing lasting relations with the sponsors were my main focuses.
- Hosted several events online and offline for ISA which enhanced my public speaking skills and communication.

## Experience

### **GEOID INFO TECH.**

May, 2019

Research Intern

- I along with my team researched how we could automate stock trading decisions based on market conditions using the candlestick approach
- Skills : Entry level Python and KITE Software (of Zerodha)

### **ATMOS POWER LTD.**

May, 2022

Research & Operations Intern

- Investigated ethanol production processes and prepared reports and presentations summarizing findings and recommendations.
- Skills : Strong research and analytical skills, attention to detail and experience in process improvement initiatives.
- Entry-level understanding of PLC programming, Mitsubishi and Siemens controllers, electrical systems, industrial automation principles, and programming languages such as Ladder Logic or FBD.
- Skills : Strong problem-solving, troubleshooting skills, and collaborative team member.

## Additional

- Technical Skills : Microsoft Excel, Microsoft Power Point, Entry Level Python, R Programming
- Language - Fluent in English, Hindi and Gujarati
- Certifications and Training - Excel Certification (In progress) and Python (Coursera)
- SSC: 73% (Ahmedabad International School) HSC: 58% (S.S.Divine)
- Entrance Exam Scores : CAT - 97.5% ; NMAT - 264 ; XAT - 92.8% ; SNAP - 97.8%