

# ATHARVA PRAJAPATI

## PROFILE

Third year engineering student dedicated, hardworking, and committed to becoming a dependable and valuable team member. Inclination to explore and learn more in order to grow myself and the organization.

## SKILLS

SolidWorks  
Creo  
C Language  
Visual Studio  
R Language  
R Studio  
MATLAB Simulink  
Communication skills

## PERSONAL INTERESTS/ HOBBIES

Hiking  
Trekking  
Swimming  
Public Speaking  
Organizing Public Activities

## LANGUAGES

English  
Hindi  
Gujarati

## CONTACT

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## EDUCATION

### B.TECH IN MECHANICAL ENGINEERING

2020 - 2024

Institute of Technology, Nirma University

8.67/10

### MINOR SPECIALIZATION IN FINANCE

2022-2024

Institute of Management, Nirma University

12<sup>th</sup> (GHSEB) | Aggregate: 81.31/100

March  
2020

10<sup>th</sup> (GSEB) | Aggregate: 89.16/100

March  
2018

## PROJECTS

### Auto-complete Feature- Data Structures and Algorithms

Implemented TRIE data structure to run a program which suggests/recommends related words using prefix.

### Fixed-wing aircraft design for competitions

Part of cross-functional team working in developing a fixed wing aircraft (RC) involving CAD modelling, xflr5 for analysis and procurements.

### Energy management System

Implemented C program to make a management system using File management techniques.

### Simulation of Robotic Arm using MATLAB Simulink

Prepared a simulation of UR-10 using Teach Pendant and MATLAB Simulink including control of individual joints.

## POSITIONS OF RESPONSIBILITIES

- Vice-President** (Mar 2023- Present)  
Nirma RoboTech Club
- General Secretary** (Jan 2023- Present)  
Mechanical Engineering Students' Association
- Publication Head** (Jan 2022- Feb 2023)  
Nirma RoboTech Club
- Ignis Cadre Captain** (April 2022- Feb 2023)  
Mechanical Engineering Students' Association
- Direction Team** (2021)  
Mechanical Drama Team

### **CERTIFICATES:**

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- |  |              |
|--|--------------|
| • Law of the Sea and Maritime Law (ILNU) | (April 2022) |
| • Digital Marketing by Google            | (Jan 2021)   |
| • Basics of Flight and Aerodynamics      | (Oct 2022)   |
| • Data Structures and Algorithms         | (Nov 2022)   |

### **CO-CURRICULAR ACTIVITIES:**

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- Core organizing committee of Praveg 2022.
  - Core organizer of Technocalypse 2021, wherein more than 400 school students across Gujarat participated and gained knowledge in field of Robotics and Automobile
  - Secured 3<sup>rd</sup> position in MUN on Myanmar Crisis hosted by Refute MUN on a USA portfolio.
  - Participated in Mock MUN by HLCC, Ahmedabad.
  - Community service at Sahyog NGO for a month volunteering to educate and aware people about various vaccination drives and government education policies.