

# Sarthak Goel

Bareilly, Uttar Pradesh, India

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An aspiring 3<sup>rd</sup> year tech enthusiast with a passion for software development and problem-solving, eager to learn, innovate, and contribute to cutting-edge solutions.

## Skills

**Languages:** Java, Python, C++, HTML, CSS, JavaScript

**Technologies and Tools:** Visual Studio, MATLAB, ChatGPT AI

**Soft Skills:** Communication, Time Management, Public relations, Problem Solving, Decision Making, Teamwork and Collaboration

## Education

### VIT Bhopal

2022 - 2026

B. Tech in Aerospace Engineering

**CGPA:8.66/10**

Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Operating Systems, Computer Networks, Advance Data Structures and Algorithms

### Shri Gulab Rai Montessori Senior Secondary School, Bareilly

2020 - 2021

High School Education (XII<sup>th</sup>)

**PERCENTAGE:89.4%**

Relevant Coursework: Physics, Chemistry, Mathematics, Computer Science, English Core

Secondary School Education (X<sup>th</sup>)

2018 - 2019

Relevant Coursework: Mathematics, Science, Social Science, English communication, Hindi

**PERCENTAGE:87.2%**

## Project Work

### Plan-IT (ongoing):

- Creating a web application as well as a mobile application which connects and form community of people going to certain events, where organizers can announce information, select venue, interact with their audience and post images of the event.
- Also, adding an image processing model which will recognize faces and provide user with their own images from the event.

### Vertical Axis Wind Turbine / Solidworks, Ansys Fluent (2024)

- Spearheaded a team of three in an innovative project aimed at enhancing the efficiency of Vertical Axis Wind Turbines (VAWTs).
- Took charge of 3D modeling and design, leveraging SolidWorks to create a hybrid turbine that combines the aerodynamic strengths of Savonius and Darrieus designs.
- Demonstrated leadership, technical expertise, and problem-solving skills to drive the project's success.

## Certificates

- NPTEL Certification: Aircraft Vehicle Design
- Internship at Aero Innovation & Skill Centre  
C/o. The Aeronautical Society of India, Bangalore (09 Sep 2024 – 13 Sep 2024)
- Introduction to Self-Driving Cars | Link <https://www.coursera.org/account/accomplishments/verify/FEX3ZZ2F5625>
- Python Essentials on VITYarathi

## Extra-Curricular Activities

- Competitive Coding Enthusiast – Enjoy solving complex problems on platforms like geeksforgeeks and LeetCode
- Participated in sports competitions