

# Pratham Amit Singh

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## Education

### VIT Bhopal University

2022 – 2026

*Bachelors in Technology (B.Tech.): Computer Science and Engineering*

CGPA – 8.74/10

### SDPS International School

2022

*12<sup>th</sup> Standard: CBSE Board*

86.0 %

### VVS Maral Sarovar School

2020

*10<sup>th</sup> Standard: CBSE Board*

89.2 %

## Technical Skills

**Programming Languages:** C++, Python, Java, JavaScript

**Data Structures & Algorithms**

**Technologies/Frameworks/Libraries:** HTML, CSS, MySQL

## Projects

Product Recommendation System | HTML, Vanilla CSS, JavaScript, ReactJS, Axios

- Developed a web application that provides personalized product recommendations based on user inputs and preferences.
- Implemented input handling, API requests, dynamic product rendering, and recommendation display.
- Utilized React hooks to manage state and handle user interactions.
- Integrated a product recommendation API to deliver suggestions tailored to user preferences.
- Managed asynchronous API requests using Axios, ensuring a seamless user experience.
- Included a loading indicator to enhance user experience during data retrieval.
- Handled errors gracefully, providing feedback to users in case of failed API requests or missing data.

Traffic Control System

- Developed a web-based traffic control system using HTML, Vanilla CSS, JavaScript, ReactJS, and Axios.
- Implemented input handling, API requests, dynamic traffic data rendering, and real-time traffic updates.
- Utilized React hooks to manage state, handle real-time inputs, and track traffic conditions.
- Integrated APIs to fetch traffic data and provide real-time updates on road congestion.
- Handled asynchronous API requests with Axios, ensuring smooth user experience with real-time traffic data.
- Implemented a loading indicator to enhance user experience during traffic data retrieval.
- Managed errors gracefully to provide feedback to users in case of failed API requests or data issues.

## Additional

**Languages:** Fluent in English, Hindi

**Certifications:**

- The Bits and Bytes of Computer Networking (Coursera)
- Cloud Computing (NPTEL)

**Relevant Coursework:**

- Data Structures and Algorithms
- Python Programming
- Object Oriented Programming (OOPs)
- Internet and Web Programming
- Database Management System (DBMS)
- Digital Logic Design (DLD)