

# Pranav Anand Prakash Sharma

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## EXPERIENCE

### VORTEX, NIT TRICHY | GUEST LECTURE COORDINATOR

Jan 2024 – Present | Trichy, Tamil Nadu

- Worked as a Coordinator of the Guest Lecture Team of Vortex, the National-level technical symposium of the Department of Computer Science and Engineering, NIT Trichy.

## PROJECTS

### E-COMMERCE WEBSITE | Sep 2024

- Created a full-stack responsive e-commerce website for the customers and an admin panel for the seller.
- It also includes the payment gateway integration from **Razorpay** and **Stripe**.
- The front end is made using **React**, the back end uses **NodeJS**, and the database used is **MongoDB**.

### SHORTEST PATH FINDER | Aug 2024

- Created a front-end website to visualise the **Dijkstra's Algorithm**.
- It is a visualiser that displays how Dijkstra's Algorithm starts searching the adjacent node from the starting point to the endpoint, avoiding the obstacles in between in a 2D grid and finding the shortest path.
- The project is made using **React**.

### MULTIPLE DESTINATION PATH PLANNER FOR DRONE

| Jun 2024 - Present

- Designing a path planner for a drone that travels to multiple destinations through the shortest path and avoids obstacles in between.
- We have used the **A\* Algorithm** to find the shortest path that avoids obstacles and travels to multiple destinations.
- We are now trying to find the more optimal path by integrating the A\* algorithm with some optimisation algorithms like Ant Lion Optimization.
- The project is made using **C++**.

### WEATHER WEB APP | May 2024

- Created a front-end website to display the weather of any city.
- The user searches for any city by its name in the search box, and then an API call is made, which returns that city's current weather status.
- The API used is Weather API by Ninja.
- The project is made using **HTML, CSS, JavaScript**.

### REAL-TIME CHAT WEB APP | Jan 2024

- Created a full-stack web chat application.
- It enables real-time chatting between the registered users.
- The front end is made using **React**, the back end is using **NodeJS**, and the database is **MongoDB**.
- To enable the real-time feature, **SocketIO** is used.

## EDUCATION

### NIT TRICHY

BACHELOR OF TECHNOLOGY IN  
COMPUTER SCIENCE AND ENGINEERING  
Expected May 2026 | Trichy, Tamil Nadu  
Cum. GPA: 8.51 / 10.00

### INTERNATIONAL INDIAN SCHOOL, AL JUBAIL, SAUDI ARABIA

CLASS 12 | CBSE  
Completed 2022 | Al Jubail, Saudi Arabia  
Percentage: 94.20%

### INTERNATIONAL INDIAN SCHOOL, AL JUBAIL, SAUDI ARABIA

CLASS 10 | CBSE  
Completed 2020 | Al Jubail, Saudi Arabia  
Percentage: 94.80%

## SKILLS

### PROGRAMMING

C • C++ • HTML  
JavaScript • CSS • SQL

### TECHNOLOGY

Git/GitHub • ReactJS • Ubuntu  
MySQL • MongoDB • NodeJS  
VS Code • Socket.IO

### OTHER

Problem Solving • Communication •  
Teamwork

## COURSEWORK

### UNDERGRADUATE

Data Structures  
Design and Analysis of Algorithms  
Operating Systems  
Advanced Data Structures and Algorithms  
Computer Organization  
Combinatorics and Graph Theory  
Discrete Structures

## LINKS

GitHub: [Pranav2092](#)  
Linked In: [pranav-sharma](#)  
LeetCode: [pranavrcs](#)