

# Prashant

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## EDUCATION

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- **Vellore Institute of Technology** Bhopal, India  
*Bachelor of Technology - Computer Science and Engineering; CGPA: 8.61*  
*Sep 2023 - May 2027*  
*Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Databases, Computer Networks*
  - **Modern Vidya Niketan School** Faridabad  
*Class XII (CBSE)*  
*July 2023*
  - **Vidya Niketan School** Faridabad  
*Class X (CBSE)*  
*July 2021*

## SKILLS

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- **Programming:** C++, OOPS, DSA, Problem Solving
  - **Backend:** Node.js, Express.js, MongoDB, REST APIs, Authentication & Authorization
  - **Databases:** MySQL / SQL, Basic query optimization, joins
  - **DevOps & Tools:** Git, AWS, Postman, MS-SQL, Firebase

## PROJECTS

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- **Paw Pal 2025 — Pet Hostel Booking & Tracking Platform:** Engineered a full-stack pet hostel booking platform enabling secure discovery, booking, and real-time monitoring of pet stays. Implemented authentication and role-based access control using Firebase Authentication for pet owners and hostel administrators.  
Developed a real-time tracking and booking status module using Firebase listeners to reflect live location and hostel activity without page refresh. Designed a flexible booking workflow supporting availability checks, reservations, cancellations, and payment status validation.  
Built a personalized recommendation system based on pet preferences, user location, and booking history. Created responsive, modular UI components with React hooks and CSS, and optimized performance by efficient state management and reduced re-renders. **Tech:** React.js, CSS, Firebase (Authentication, Firestore, Real-time Updates, Hosting) **Dec 2025**
  - **WaveTune — Modern Interactive Music Player:**  
Developed a stylish and interactive music player that enhances the user experience of listening to songs with visually engaging elements and intuitive controls. Designed a responsive and user-friendly interface using HTML and CSS, ensuring seamless interaction across devices.  
Implemented dynamic music controls and interactive playback features with JavaScript, including play, pause, skip, and volume adjustment. Optimized smooth animations and transitions to create a visually appealing and modern audio experience. **Tech:** HTML, CSS, JavaScript) **Sep 2025**

## CERTIFICATIONS

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- **Google IT Support Professional Certificate** – Google (Google Skills) Jan 2026
  - **The Bits and Bytes of Computer Networking** – Google (Coursera) Dec 2025
  - **Introduction to Machine Learning** – NPTEL (IIT) Sep 2025
  - **AWS Technical Essentials** – AWS Educate (Amazon) June 2025
  - **Operating Systems and Systems Programming** – Cursa Apr 2025
  - **Frontend Development Libraries** – freeCodeCamp Sep 2024

## POSITIONS OF RESPONSIBILITY

### Cultural Representative

*Pahadi Club, VIT Bhopal, India*

April 2025 – Present

- Led cultural events, fostering teamwork, collaboration, and cross-functional coordination.
- Strengthened project management, leadership, and communication skills through planning and executing campus initiatives.