

PREETI PATIDAR

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Education

Vellore Institute of Technology	Jul 2026 (Expected)
B.Tech in Computer Science & Engineering	CGPA: 8.95 / 10.0
Macro Vision Academy, Burhanpur	Jun 2022
Class XII	87.6%
Kendriya Vidyalaya, Mhow	Apr 2020
Class X	91.4%

Technical Skills

Backend Development: Node.js, Express.js, Flask, RESTful APIs, MongoDB, SQL

Languages: C, C++, Python, JavaScript, SQL

Developer Tools & Platforms: Git, Version Control, MongoDB, Postman, MongoDB Compass

Frameworks, Libraries & ML Models: Node.js, Express.js, Flask, RESTful APIs, NumPy, Pandas, scikit-learn, matplotlib

CS Fundamentals: Operating Systems, Computer Networks, DBMS

Experience

SampurnaBharat	Feb 2025 - Apr 2025
Backend Developer Intern	Jalgaon, Maharashtra
<ul style="list-style-type: none">Designed and implemented MongoDB database schemas for an e-commerce platform, managing users, products, carts, and orders.Developed RESTful APIs using Node.js and Express.js, defining secure routes and connecting backend services with the database for seamless data flow.Built core backend functionalities including add-to-cart, cart updates, order placement, billing calculations, and user session handling.Integrated backend APIs with frontend components to enable real-time cart updates and smooth checkout workflows.	

Projects

Intelligent Mental Health Support Platform

Node.js, Express.js, MongoDB, React

[Link]

- Created an AI-powered mental health support platform offering personalized chatbot-based assistance and conversation tracking.
- Built a secure backend using Node.js and Express.js with MongoDB and Mongoose for user authentication, authorization, and data persistence.
- Implemented JWT-based authentication and RESTful REST APIs to store and retrieve user conversations, ensuring secure and scalable backend operations.

AI Drawer – Integrated AI Platform

Node.js, Flask, scikit-learn, Firebase, API

[Link]

- Developed a unified AI platform that routes user prompts to multiple AI services through a single prompt-driven interface.
- Designed a Node.js backend to handle chatbot requests, prompt preprocessing, and response aggregation across multiple AI APIs.
- Integrated Firebase Authentication and implemented ML-driven routing logic to securely classify and forward prompts to the appropriate AI service.

SynchCast – Multi-Device Audio Sharing System

Python, Flask, PyQt5, NirCmd, Virtual Audio Cable

[Link]

- Built a multi-device audio sharing system that enables synchronized audio playback across multiple Bluetooth and wired devices from a single source.
- Implemented a Flask-based backend with structured API routes to manage device discovery, session control, and synchronized connection handling.
- Developed backend logic to coordinate real-time audio routing and synchronization, achieving sub-100 ms latency with stable parallel device connections.

Leadership / Extracurricular

Team Lead, Content Team

E-Cell VIT

Jan 2024 - Jun 2025

VIT

- Led a 15+ member content team and executed campaigns that increased event engagement by 30%.
- Created and scripted anchor scripts, PR campaigns, and marketing materials aligned with E-Cell's branding strategy.
- Authored official letters and LORs with a professional tone, maintaining accuracy and organizational standards.

Certifications

Oracle Cloud Infrastructure 2025 Certified Data Science Professional [Link]

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional [Link]