

PREETI PATIDAR



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Education

Vellore Institute of Technology

B.Tech in Computer Science & Engineering

Jul 2026 (Expected)

CGPA: 8.95 / 10.0

Macro Vision Academy, Burhanpur

Class XII

Jun 2022

87.6%

Kendriya Vidyalaya, Mhow

Class X

Apr 2020

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

- 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

Jan 2024 - Jun 2025

E-Cell VIT

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 [\[Link\]](#)