

Tejas Bhise

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PROFILE

AI & Backend Developer specializing in real-time LLM applications and intelligent automation systems. Experienced in building API-driven architectures, structured AI workflows, and scalable backend services using Python and FastAPI. Focused on solving real-world problems through reliable, production-ready software solutions.

EDUCATION

B.E in Computer Science

PCET's Nutan Maharashtra Institute of Engineering and Technology

2022 – 2026

CGPA: 8.15

PROJECTS

Saarthi – Real-Time 3D AI Tutor Platform

React, Three.js, FastAPI, WebSocket, Redis, PostgreSQL, Google Gemini

- Built a real-time LLM-powered tutoring platform enabling multi-turn, context-aware conversations using WebSocket communication, Redis session memory, and PostgreSQL-backed persistent storage for user history and structured session data.
- Implemented end-to-end AI pipeline: Speech-to-Text → Prompt Structuring → Gemini API → Response Processing → Text-to-Speech → 3D Avatar Lip Sync for immersive learning experiences.
- Developed analytics dashboard for session tracking and progress monitoring; deployed fully functional production-ready backend services with live API endpoints and real-time user interaction.

ClarifAiSQL – AI-Powered Natural Language to SQL Application

Python, FastAPI, SQLite, Google Gemini API

- Developed an AI application converting natural language queries into optimized SQL using Google Gemini API with in-memory SQLite for secure execution.
- Designed structured reasoning workflow to generate SQL, explain query logic, and return computed database results in real time.
- Built and deployed full-stack system integrating LLM reasoning with backend database operations.

EXPERIENCE

AI / ML Intern

InternPe

Dec 2024 – Jan 2025

Remote

- Completed guided training in supervised learning, preprocessing, and model evaluation using scikit-learn.
- Implemented and evaluated classification models using standard accuracy metrics.

TECHNICAL SKILLS

- **Languages:** Python, SQL
- **AI/ML:** Machine Learning, LLM APIs, Prompt Engineering, Model Integration
- **Data Science:** NumPy, Pandas, Matplotlib, Seaborn, scikit-learn
- **Backend:** FastAPI, REST APIs, WebSocket
- **Tools:** Git, GitHub, VS Code, Vercel, Render, Railway, Jupyter, Google Colab

ACHIEVEMENTS

LetsUpgrade (1000+ students) | Copyright Holder – Local E-Connect (L-133251/2023) | HackerRank 5-Star in Python

CERTIFICATIONS

Python for Data Science – NPTEL | ML Deployment with FastAPI – Udemy | ChatGPT Generative AI – Udemy | AI for All – Infosys