

PREETI PATIDAR

📞 9098815716 ✉ preetipatidar2003@gmail.com

🌐 <https://www.linkedin.com/in/preeti-patidar-2707b4245> 🐙 <https://github.com/preetipatidar30>

Education

VIT Bhopal University	Bachelor of Science in Computer Science, CGPA: 8.92 / 10
Macro Vision Academy, Burhanpur	12th Marks: 88%
Kendriya Vidyalaya, Mhow	10th Marks: 92%

Technical Skills

C++, Python, JavaScript, HTML/CSS, SQL, Flask, NumPy, Pandas, scikit-learn, PyQt5, React.js, Node.js

Projects

SynchCast – Simultaneous Audio Streaming to Multiple Bluetooth Devices

Python, C++, circmd, virtual audio driver

May 2025 – Jun 2025

- Engineered a multithreaded audio pipeline enabling simultaneous streaming to Bluetooth, wired, and USB devices with 99.9% uptime during playback.
- Developed a user-friendly Python (PyQt5) GUI for real-time audio routing and multi-device volume control, cutting user setup time by 70%.
- Automated device discovery and output selection with a custom virtual audio driver, streamlining configuration to just 3 clicks and boosting scalability by 50%.

Intelligent Mental Health Support Platform

Python, Google Colab

Sep 2024 – May 2025

- Developed an AI-powered mental health chatbot that delivers personalized interventions to 50+ test users.
- Fine-tuned a large language model (LLM) with curated psychology and mental health datasets, improving response accuracy and delivering more personalized user support.
- Synthesized insights from 10+ research papers and designed 3 clinical frameworks in collaboration with mental health professionals, ensuring 100% ethical compliance and boosting user adoption.

AI Drawer – Integrated AI Platform

scikit-learn, Flask, pandas, API

Aug 2023 – Nov 2024

- Pioneered AI Drawer, a unified orchestration platform integrating Gemini, Perplexity, DALL-E, and Claude to automate intelligent query routing via a custom ML-based domain classifier.
- Trained an ML-based domain classifier trained on 6,000+ labeled samples—boosted detection accuracy from 60% to 65% and eliminated manual model selection.
- Architected a robust API orchestration system with robust key management, automated error handling, and a user-friendly Flask interface for seamless multi-AI interactions.

Experience

SampurnaBharat

Feb 2025 – Apr 2025

Web Developer Intern

Jalgoan, Maharashtra

- Engineered 10+ responsive UI components (HTML, CSS, JavaScript) in an Agile environment, delivering modules 20% ahead of sprint deadlines.
- Revamped e-commerce site with 8 new features, boosting site traffic by 30% and user satisfaction by 25%. Coordinated a 5-member cross-functional team to deliver 12 features in 4 months.
- Optimized website load time by 35% through code refactoring and asset compression, improving SEO rankings and overall performance.

Extracurricular

Content Team Member, E-Cell VIT Bhopal

Jan 2024 – Jun 2025

Team Co-Lead

VIT Bhopal University

- Managed and led a team of 15+ members, reviewing content written by the team, providing feedback, and making necessary revisions to ensure quality.
- Created and scripted content for anchor scripts, PR campaigns, and marketing materials, aligning with the E-Cell's branding and objectives.
- Authored letters of joining and Letters of Recommendation (LORs), ensuring professional tone and clarity to represent the team effectively.