

ABHIJEETH PANDEY.P

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EDUCATION

Sathyabama Institute Of Science and Technology
B.Tech - CS with AI/ML Specialisation - CGPA - 7.7

10/2022 - 05/2026

Chennai, Tamil Nadu

PROJECTS

MootVR | Unity,Blender,3D Gaussian Splatting,Photon

- Developed a VR courtroom experience enabling 100+ law students to participate in interactive mock trials.
- Simulated realistic legal procedures and added multiplayer support for up to 10 users using Photon.

EduQuest | AI, LLMs, Gamified Learning

- Created an AI-powered LMS to reduce dropout rates, featuring a voice-based chatbot (GEMMA2 with RAG), LAMA 3.1 for quizzes, and LLaVA for handwritten answer evaluation.
- Integrated Python (FastAPI), Flutter, MongoDB/Surreal for backend, frontend, and storage.

AI-Generated Live Presenter(Voice-Vista) | Unity,OpenCV, Python

- Designed a GenAI system to generate synchronized video presentations, increasing content engagement by 30% through AI-generated visuals and voiceover synchronization.

Interactive Hologram Display | LLMs, Hugging Face, ML, Fast API, Meta API

- Created a 3D interactive hologram projection system using the Pepper's Ghost illusion technique to showcase digital products and educational content.
- Enabled gesture-based interactions via ultrasonic sensors and OpenCV, allowing users to control holographic models with hand movements.
- Designed for use in exhibitions and marketing, offering companies a futuristic product display method with immersive engagement.

Geo Guide | GPT-4 API, ARCore, Unity, Google Maps API

- Developed a mobile application that enhances travel experiences with AI-driven itinerary planning, social AR messaging, and landmark scanning.
- Built features like 3D food previews, real-time travel matchmaking, and historical storytelling through AR tour guides using GPT-4 and Unity.

EXPERIENCE

InnoXR Labs(Unregistered)

July 2024 – Present

Co-founder & Developer

Chennai, India

- Led development of immersive solutions in AR/VR, AI chatbots, and productivity tools.
- Delivered products like: Influencer Bot, Voice-to-Video Generator, VR Classrooms, AR Product Visualizer.

SKILLS

Languages: Python, C++, C#, Dart (Flutter), HTML

Tools & Frameworks: Unity, FastAPI, Firebase, Django, LangChain, Hugging Face, Photon, ARCore

Technologies: Machine Learning, AR/VR/MR, Generative AI, LLMs, Prompt Engineering

Design/Dev Tools: Blender, Unity, Unreal Engine, Figma, Canva, VS Code, PyCharm

ACHIEVEMENTS/AWARDS

* 1st Place – Hackathon SIST 2024

* 1st Place – Abhisarga'25 @ IIT Sri City

* Prize Winner – INVENTE 2023

* Nominated for Smart India Hackathon 2023 & 2024

* Winner – Hack-n-Droid @ VIT Chennai