

EDUCATION

All Saints' College Of Technology B.Tech - Computer Science And Engineering	Bhopal,M.P.,India 2022-2026
Mahatma Gandhi Inter College Higher Secondary (Science – PCM)	Gorakhpur,U.P.,India 2021-2022

WORK EXPERIENCE

SOFTWARE DEVELOPER (Software Development AI ML IoT) : Affy Cloud IT Solutions	June 2024 – Present Bhopal,M.P.,India
---	---

- Planned, designed, and deployed end-to-end AI systems using LLMs, multi-agent architectures, and real-time data pipelines; owned system architecture, APIs, integration, and full project lifecycle.

TECHNICAL SKILLS

PRIMARY SKILLS : Generative AI & LLM Applications | AI Agents & RAG Systems | Python & Web Development

- Machine Learning & Deep Learning:** Supervised & Unsupervised Learning, CNN, RNN, LSTM, Pandas, NumPy, Matplotlib,Seaborn
- Generative AI & Large Language Models:** LLMs,OCR, LangChain, Embeddings, Retrieval-Augmented Generation, Pinecone,Chroma DB, Prompt Engineering
- Computer Vision & IoT:** Object Detection (YOLO), Face Detection & Recognition (Haar Cascades, MediaPipe), Image Classification, Raspberry Pi, Sensor Integration
- Web Development (Frontend & Backend) & Web Scraping:** FastAPI, Django, Django REST Framework, HTML, CSS, API Development,Beautiful Soup
- Programming & Databases:**Python, SQL Server, MySQL,MS SQL SERVER
- Tools & Platforms:** GitHub, VS Code, Postman, Render ,Antigravity ,Google AI Studio ,Azure AI Foundry ,Blender

CERTIFICATES

Web Development –	Institute for Advance Skill and Training (IAST)
Python for Data Science –	CognitiveClass.ai
SQL and Relational Databases –	CognitiveClass.ai
Web Scraping with Beautiful Soup –	Simplilearn
Project Model Competition (RACHNA 2K24 & RACHNA 2K25) –	ASCT, Bhopal
Paper Presentation (VISION-TECH 2K24 & 2K25) –	ASCT, Bhopal

PROJECTS

- **AI Investment Platform:** Developing multi-module platform with LLM automation, ESG analytics, valuations, DD workflows, risk models & financial consolidation, improving deal speed and compliance efficiency.
- **Advanced Driver Assistance System :** Real-time drowsiness, yawning, head tilt detection, traffic sign recognition with voice alerts, route and obstacle monitoring, and blind spot detection using Raspberry Pi and ultrasonic sensors.
- **Multi-Agent Routing System :** AI-powered modular assistant platform with a RootAgent routing tasks to 8 specialized AI agents (text/file processing, summarization, automation, Q&A, analysis, etc.). Supports real-time user interface for normal users and API-based subscription access for developers and enterprises.
- **AI Real Estate & Customer Support Agent:** AI-powered agent enabling real-time phone calls for property sales and customer support, providing seamless interactions with clients as a virtual salesperson and support assistant.
- **Doctor Clinical Note Generator:**Real-time medical transcription tool that captures doctor–patient conversations via audio, uses ElevenLabs Speech-to-Text for transcription, and an LLM to generate structured clinical notes, key points, and diagnostic suggestions. Designed to streamline documentation in clinical settings with minimal manual input.
- **Construction Management Chatbot :** AI-based chatbot using OpenAI models, integrated with a database for automated query handling and dynamic data visualization.
- **AI-Powered Market Research Insights:** Multi-agent AI tool for processing survey data, analyzing trends, and generating actionable recommendations.
- **ExamHack AI**(www.examhackai.site): Designed an AI-based platform for exam preparation leveraging syllabus mapping and historical question pattern analysis.
- **SlideDeck AI:** Building an AI-driven presentation generator that converts prompts and bulk data inputs into professional-grade slide decks with creative, finance, and corporate templates, featuring AI-based editing.

ACHIEVEMENTS

- **Project Model Competition** **Award – II**
Recognized twice for excellence in project development, including an Advanced Driver Assistance System (ADAS) designed for Indian road conditions using AI and Computer Vision, and dynamic college website development. Awarded at *RACHNA* – District-Level Project Model Competition organized by All Saints College of Technology.
- **Paper Presentation** **Award – I**
Three-time consecutive champion in technical paper presentations at *VISION-TECH*, organized by All Saints College of Technology.

INTERESTS

Robotics & Autonomous Systems, Embedded IoT with AI, NLP, Computer Vision, Generative AI, and **Chess**.

LANGUAGES

English	—	Full Professional Proficiency
Hindi	—	Native or Bilingual Proficiency