

Harsh Dayal

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Education

VIT BHOPAL UNIVERSITY – Bachelor of Technology in Computer Science and Engineering October 2026

Technical Skills

General: Python, C, C++, SQL, Git, CI/CD, Linux, GCP, Azure, Docker, MongoDB, FastAPI, Flask

AI & ML: TensorFlow, PyTorch, MCP, LangChain, LangGraph, RAG, Vector DBs, LLMs, ViTs, Data Science

Professional: Problem-Solving, Team Leadership, Project Management, Agile Research

Professional Experience



AI Developer Intern at Debales.AI February 2025 – Present

- Engineered multi-agent ticketing system integrating Zendesk, Zapier, and MongoDB, improving operational efficiency by 40% for 3 enterprise clients.
- Developed automated customer chats tagging and KPI identification system using CRON jobs for processing large-scale chat databases with 92% accuracy.
- Created Various AI Agents using Langgraph, Langflow, OpenAI Agents SDK like Chatbot flow with Client Research, Product's Suggested Questions, Weekly Performance Email agent and Marketing Advisor boosting Sales by 15% and client engagement by 32%.

Technical Co-Lead at GeeksForGeeks - VIT Bhopal University August 2023 – Present

- Led team of 8 developers to architect and implement event management software, increasing program engagement by 46%.
- Coordinated 5 high-impact technical projects, ensuring alignment with business requirements and user experience goals.
- Organized 10+ technical workshops and coding competitions for a community of 500+ students on data structures and algorithms.

Projects

Cascade - GenAI Study Companion (Python, BeautifulSoup, LLM, SQLite, GCP, PyQt, Tkinter)  

- Designed GenAI ecosystem for personalized learning with NLP and adaptive scheduling.
- Built syllabus assessments, progress tracking, and Q&A system with context retention.
- Optimized quiz algorithms and feedback mechanisms; improved learning outcomes by 30%.

LegalSphere (Python, BeautifulSoup, LLM, RAG, LangChain, QdrantDB, ChromaDB, FastAPI)  

- Developed AI legal research platform using RAG and ML models for complex case analysis.
- Created visualization tools (tree view, mapping, timeline, evidence board) for case analysis.
- Worked with 5 legal experts on UI/UX; improved document parsing accuracy by 45%.

Certifications

Cloud Computing, NPTEL 	May 2024
Algorithms Specialization, Stanford University Online 	April 2024
CS50's Introduction to Computer Science, Harvard University 	December 2023
Machine Learning Specialization, DeepLearning.AI 	June 2023

Awards & Recognition

- WINNER** - Google GenAI Exchange Hackathon (2024)
- FINALIST** - Prasenuthon Hackathon
- OPEN SOURCE CONTRIBUTOR** - PyPDF CLI (pdfly) - Hacktoberfest 2024