Nidharshana R

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EDUCATION

VIT Bhopal University - BTech	Cumulative GPA:9.18	Aug 2022 – May 2026

Computer Science and Engineering with specialisation in Health Informatics

Hosur Public School - Class 12	CBSE percentage: 92.6%	Jul 2021 – Jul 2022
Hosur Public School - Class 10	CBSE percentage: 96%	Jul 2019 – Jul 2020

SKILLS

Programming Languages: Python, Java, C++
Areas of Expertise: Large Language Models (LLM), Natural Language Processing (NLP), Prompt Engineering and RAG.
Tools: LangChain, Flutter, PostgreSQL, Hive, Git, TensorFlow, OpenCV, OpenAI API.

PROJECTS

Intelligent Academic Assistant using LLMs (RAG, GPT-4, LangChain)   Mar 2025 – May 2025
- Engineered an AI-driven academic assistant that elevated student comprehension by 70% and boosted engagement by 80%, integrating personalized note generation and real-time query resolution.
- Deployed a context-aware chatbot using a refined DeepSeek model with tailored academic datasets and RAG via LangChain, downsized average resolution time by 5 minutes.
- Generated subject-specific notes to boost student revision efficiency by 60% and enhance retention with adaptive support from uploaded materials.

Aid-Ray: Offline First Aid Chatbot App (ML Kit, TensorFlow, Dart, Hive)   Feb 2025 - Mar 2025
- Constructed a 100% offline-capable chatbot application that provided multilingual first aid guidance with integrated video and image-based instructions.
- Upgraded emergency preparedness in remote or no-network areas by reducing user response time by 40% through optimized local data access and interactive UI.

Medgram (React, Tailwind CSS, PostgreSQL)   Jan 2025 - Feb 2025
- Obtained 3rd place nationally among 600+ participants by designing a unified platform that streamlined medical record handling, automated prescription tracking, and simplified leave application workflows by 75%.
- Leveraged TypeScript, React, and PostgreSQL to build a secure, responsive, and data-driven web application, cut-down page load times by 25% and ensuring reliable data management.

CERTIFICATIONS

AWS certified cloud practitioner – Amazon Web Services   May 2025

CO-CURRICULAR

- Pioneered an AI-driven LMS and chatbot tools for NGO, assisting teachers and bridging learning gaps for 150+ underprivileged students.
- Secured 3rd place (out of 650+ teams) at IIT Indore national hackathon for a smart healthcare platform.
- Recognized among top 50 teams in the Zelestra X AWS challenge for devising a machine learning solution.
- Contributed to Omdena's open-source Bhopal Bus Bot project, implementing NLP for public transit information.

EXTRACURRICULAR

- Trained in Carnatic music for 7 years, performing in various events, showcasing dedication and musical passion.
- Pursued painting as a hobby, exploring creativity and expressing artistic skill through personal projects.
- Actively participated in cultural events for various clubs, fostering community engagement and celebrating cultural initiatives.
- Designed Instagram posts for various clubs to enhance digital outreach on social media.