NIDHARSHANA R
Programmer and AI enthusiast

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EDUCATION

VIT Bhopal University	Aug 2022 - Expected May 2026
BTech- Computer Science and Engineering with specialisation in Health Informatics	Cumulative GPA:9.05
Hosur Public School	Jul 2021 – Jul 2022
Class 12	CBSE percentage: 92.6%
Hosur Public School	Jul 2019 – Jul 2020
Class 10	CBSE percentage: 96%

PROJECTS

Intelligent Academic Assistant using LLMs (DeepSeek, RAG, GPT-4)   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.
- Refined DeepSeek model using tailored academic datasets, producing organized, subject-specific notes, accelerating student revision efficiency by 60% and improving information retention.
- Developed a context-aware chatbot using Retrieval-Augmented Generation (RAG) and LangChain to provide adaptive, content-aware support from student-uploaded material.

Medgram (TypeScript, React, Tailwind CSS, PostgreSQL)   Feb 2025 - Mar 2025
- Secured third place nationally among 600+ participants by designing a unified platform for student-centric healthcare management.
- Architected an intuitive system to streamline medical record handling, automate prescription tracking, and simplify leave application workflows by 75%.
- Implemented a scalable, user-friendly interface with backend logic to enhance efficiency in institutional health services and reduce administrative overhead.

Aid-Ray: Offline First Aid Chatbot App (Flutter, SQLite, Dart, ML Kit)   Sep 2024 - Dec 2024
- Engineered a 100% offline-capable chatbot application that provided multilingual first aid guidance with integrated video and image-based instructions.
- Enhanced emergency preparedness in remote or no-network areas by reducing user response time by 40% through optimized local data access and interactive UI.

SKILLS

Programming Languages: Python, Java, C++
Tools & Libraries: LangChain, PostgreSQL, GPT-3.5, GPT-4, DeepSeek, OpenAI API,
Fundamentals: Data Structures and Algorithms, Database Management Systems, Computer Networks, Operating Systems
Additional Tools & Concepts: Prompt Engineering, Function Calling, Git, JSON, Typescript, AWS, REST APIs

CERTIFICATIONS

- AWS certified cloud practitioner – Amazon Web Services   May 2025 - May 2028
- Summer Analytics 2024, Data Analytics and Machine learning - IIT Guwahati   Jun 2024 - Aug 2024
- HTML, CSS, and JavaScript for Web Developers - Coursera, John Hopkins University   Nov 2023 - Dec 2023
- AI for Women - GUVI , Google   Feb 2023 - Mar 2023

EXTRACURRICULAR

- Pioneering AI-driven program for Ekadyu(NGO) providing personalized learning experiences for 150+ students.
- Achieved 3rd position among over 650 entries by designing smart healthcare management platform at IIT Indore and also among top 50 teams in Zelestra X AWS challenge.