

# NIDHARSHANA R

## Programmer and AI enthusiast

Phone: +91 9486154524 **LinkedIn:** [R Nidharshana](#) **Email:** [nidharshanaraj@gmail.com](mailto:nidharshanaraj@gmail.com) **GitHub:** [GitHub](#)

## EDUCATION

<b>VIT Bhopal University</b> BTech- Computer Science and Engineering with specialisation in Health Informatics	Expected May 2026 Cumulative GPA:9.06
<b>Hosur Public School</b> Class 12	Jul 2021 – Jul 2022 CBSE percentage: 92.6%
<b>Hosur Public School</b> Class 10	Jul 2019 – Jul 2020 CBSE percentage: 96%

## PROJECTS

Intelligent Academic Assistant using LLMs (DeepSeek, RAG, GPT-4)	Mar 2025 – May 2025
<ul style="list-style-type: none"><li>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.</li><li>Refined DeepSeek model using tailored academic datasets, producing organized, subject-specific notes, accelerating student revision efficiency by 60% and improving information retention.</li><li>Developed a context-aware chatbot using Retrieval-Augmented Generation (RAG) and LangChain to provide adaptive, content-aware support from student-uploaded material.</li></ul>	
Medgram (TypeScript, React, Tailwind CSS, PostgreSQL)	Feb 2025 - Mar 2025
<ul style="list-style-type: none"><li>Secured third place nationally among 600+ participants by designing a unified platform for student-centric healthcare management.</li><li>Architected an intuitive system to streamline medical record handling, automate prescription tracking, and simplify leave application workflows by 75%.</li><li>Implemented a scalable, user-friendly interface with backend logic to enhance efficiency in institutional health services and reduce administrative overhead.</li></ul>	
Aid-Ray: Offline First Aid Chatbot App (Flutter, SQLite, Dart, ML Kit)	Sep 2024 - Dec 2024
<ul style="list-style-type: none"><li>Engineered a 100% offline-capable chatbot application that provided multilingual first aid guidance with integrated video and image-based instructions.</li><li>Enhanced emergency preparedness in remote or no-network areas by reducing user response time by 40% through optimized local data access and interactive UI.</li></ul>	

## 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 3<sup>rd</sup> position among over 650 entries by designing smart healthcare management platform at IIT Indore.
- Contributed to AI-driven projects at Omdena by solving real-world challenges through collaborative development.