NIDHARSHANA R

Programmer and AI enthusiast

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SKILLS

- **Programming languages**: Java, C++, Python
- **Core Skills:** Data Structures and Algorithms, Database management systems, Computer Networks, Operating system
- **Tech Skills:** Android app development, Flutter, Angular, HTML5, CSS, JavaScript

EXPERIENCE

- **Contributor at VIT Bhopal Omdena Chapter for Chabot for Bus system.** Striving to solve real-world problems with projects through hackathons.
- **Active Coding practices:** Solved 100+ coding problems on platforms like GeeksForGeeks and LeetCode.
- **Design team Lead** of Health-O-Tech Club at VIT Bhopal, designing posters, UI/UX elements, and email templates.
- **Participated as a quarter finalist at EY Techathon 5.0**

PROJECTS

DEVELOPING AN AI CHATBOT FOR BHOPAL'S BUS RAPID TRANSIT SYSTEM NAVIGATION   Oct 2024 – Nov 2024

- Improved accessibility to public transportation services for over **400 users** by **developing a multilingual WhatsApp chatbot** using **RAG** under **Omdena VIT Bhopal Chapter.**
- Enabled **real-time navigation** by delivering bus schedules, route guidance, and live updates, enhancing user experience and promoting inclusivity.

AID-RAY: OFFLINE FIRST AID CHATBOT APP   Jul 2024 – Aug 2024

- Ensured **offline access to critical first aid information** for users by developing a **chatbot** app that delivers **text and image guidance**, increasing preparedness for emergencies in no-internet zones.
- Enhanced **first aid assistance for 100% of users** by integrating **NLP** for multilingual support, providing video demonstrations, and enabling emergency contact, ensuring comprehensive support during urgent situations.

DEVELOPED A DEEP LEARNING MODEL FOR DIABETES DIAGNOSIS   Feb 2024 - May 2024

- Achieved a **90% accuracy rate** in diabetes diagnosis by engineering a **Deep Neural Network model** to facilitate **non-invasive and faster diagnostic procedures.**
- Aimed to **reduce healthcare workload by 60%** by developing algorithms for a model based solely on **non-invasive data** , providing quicker and more accessible diagnoses.

EDUCATION

VIT Bhopal University	**Expected May 2026**
BTech- Computer Science and Engineering with specialisation in Health Informatics	**Cumulative GPA:9.06**
12th standard	**Jul,2022**
Hosur public school	**CBSE percentage: 92.6%**
10th standard	**Jul,2020**
Hosur public school	**CBSE percentage: 96%**

CERTIFICATIONS

- **Summer Analytics 2024, Data Analytics and Machine learning -** Consulting & Analytics Club, IIT Guwahati   **Jul 2024 - Aug 2024**
- **Java Data Structures & Algorithms + LeetCode Exercises-** Udemy   **Apr 2024 – Jun 2024**
- **Fundamentals of AI and ML -** VITyarthi, VIT Bhopal   **Feb 2024 - May 2024**
- **HTML, CSS, and JavaScript for Web Developers -** Coursera, John Hopkins University   **Nov 2023 - Dec 2023**
- **AI for Women -** GUVI , Google   **Mar 2023**