Nehal Nisha

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 https://github.com/Psamathena

**Education**

**B.Tech ,** VIT Bhopal University

Major in Computer Science; Minors in Health Informatics with the current **CGPA of 9.19**

**Intermediate**, BSN Academy Senior secondary School

Scored **95.8%** overall aggregate in Central Board of Secondary Education

**High School**, Chinmaya Vidyalaya (EM)

Scored **97.4%** overall aggregate in Indian Council of Secondary Education

**Skills**

**Languages:** Java, Python, C++

**Frontend:** Three.js, React.js, Next.js

**Database:** MySQL, MongoDB

**Tools:** GIT, GitHub, Streamlit, AWS

**Soft Skills:** Leadership, Content Writing, Ideation

**Domains:** Generative AI, Machine Learning, NLP

**Projects**

**Ride Booking with MERN Stack |2025/02 -2025/03|**

The Ride Booking App, built with the MERN stack, features real-time ride booking, driver navigation, and admin trip management. Using React.js, Node.js, and MongoDB, it ensures efficient data handling and seamless communication.

**AI voice agent interview Platform |2025/01 -2025/02|**

An intelligent platform that conducts voice-based interviews using Vapi agents, with automated feedback and session analysis. Tech stack includes Vapi, Node.js, React, Firebase, and OpenAI/Gemini for NLP.

**Onco-cast: A Skin Cancer Prediction Model |2024/11 -2024/12 |**

This Python-based ML model analyses the HAM-10000 dataset consisting skin cancer and lesions images in both RGB and Greyscale for better algorithm implementation.

**Certifications**

GEN AI using IBM Watsonx

Full Stack Developer MERN with MongoDB, SmartBridge

**Extracurricular &Experiences**

**Data Analysis Intern | Indian Institute of Technology, Kanpur** Summer Training Program 2023 conducted at IIT Kanpur Campus under the project named EDA for Animal Centre Intake and Outtakes **|2023/04-2023/06|**

**IOS Club Student Chapter Club,** served as Core Member of the, organizing more than 10 technical events, coding and quiz competitions**. |2023/08- 2023/11|**

**Data Structures &Algorithms** Solved 200+ problems in Leetcode in GFG (hash maps, stacks, queue, arrays, strings, sorting, linked lists, graphs) using Java.

**Achievements**

Health Hackathon Participant-Participated at VIT Bhopal University in collaboration with John Hopkins University

and was among the top selected 236 teams.

**Service Now AI Hackathon:** Active Training in application & application building.

**Project Lead - Oncology Forecast and Multimodal RAG Chat for PDFs:** Led a team of 10 to develop an AI-

powered system for oncology trend forecasting and multimodal PDF-based knowledge retrieval, recognized as the

top performer for delivering impactful solutions and driving team success.

**Coursework**

Object Oriented Programming, Computer Networks, Database Management Systems, DevOps, Artificial Intelligence,

Health Information Systems, Data Structures and Analysis of Algorithms