

Nehal Nisha

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Education

B. Tech

VIT Bhopal University (July 2022-2026)
Bhopal, Madhya Pradesh
Major in Computer Science; Minors in Health
Informatics Cumulative GPA: **9.19/10**

12th Standard

BSN Central Academy
Kota, India CBSE
Cumulative GPA: **9.6/10**

10th Standard

Chinmaya Vidyalaya (E.M)
Rourkela, India
ICSE Cumulative %: **97.4%**

Skills

Technical:

Languages Java, Python, JavaScript,
Frontend: Three.js, React.js, Next.js
Database: MySQL, MongoDB
Tools: GitHub, Streamlit, AWS
Generative AI, Machine Learning, Data Analysis, MS Power BI, Docker

Non -Technical

Leadership, Management, Content Writing, Ideation, Public Speaking

Selected Projects

Uber Clone App with MERN Stack | November 2024- January 2025 |

- The Uber Clone 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

Graph RAG: AI-Powered Knowledge Retrieval | June 2024 –September 2024 |

- A cutting-edge app using Neo4j, Langshan, and Streamlit for fast, graph-based knowledge retrieval with AI- generated insights.
- Achieving <200ms latency and 90%+ relevancy, it's scalable, intuitive, and ideal for industries like healthcare, education, and business intelligence.

E-commerce Website | February 2024 – April 2024 |

- An e-commerce website built with Spring Boot for the backend, React.js for the frontend, and MySQL for data management. It features user authentication, product catalogue, shopping cart, and secure checkout.

Onco-cast: A Skin Cancer Prediction Model | November 2023- January 2024|

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

Certifications

- E&ICT IIT Kanpur, Summer Training Program 2023, IIT Kanpur Campus
- Vellore Institute of Technology, Fundamentals in AI and ML
- MATLAB, MATLAB Onramp & Simulink Onramp
- Coursera, Bites and bytes of computer networking
- Object Oriented Programming in C++
- Full Stack Web Development Bootcamp, Udemy

Course Work

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| <ul style="list-style-type: none">• Object Oriented Programming• Computer Networks• Database Management Systems | <ul style="list-style-type: none">• Artificial Intelligence• Data Structures and Analysis of Algorithms• Healthcare Information System |
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CO-CURRICULAR & 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 and achieved 70% score.
- Solved **more than 200 problems** on Leetcode and Codechef platforms using Java.
- **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.
- **Service Now AI Hackathon:** Active Training in application & application building.
- **Health Hackathon Finalist:** Advanced to the final round in a blockchain and wearable technology-focused health hackathon, developing innovative solutions for incentivizing healthy behaviors through secure data tracking and rewards.
- **Volunteer** Volunteered with Local elementary to teach underprivileged students with basic mathematics