



Niharika Thakur

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🎓 Education

B.Tech (Information Technology)

Banasthali Vidyapith
CGPA: 9.56/10

Jul 2021 – Jul 2025
Jaipur, India

Intermediate

Khaitan Public School
Percentage: 91.3%

May 2020 – May 2021
Ghaziabad, India

📁 Projects

Self Driving Car- Functional Prototype

Python, YOLOv5-tiny

Oct 2023 – Apr 2024

- Developed a fully-functional self-driving car prototype using **Raspberry Pi camera** and **Machine Learning**.
- Featuring real-time **object detection** (YOLOv5-tiny), precise **lane tracking** (Hough Transform), and accurate **traffic light detection** (CNN).

RuralConnect

React, Python, MongoDB

Jun 2024 – Jun 2024

- RuralConnect is a platform built to solve the problem of the **NGO- Indigenous and Frontier Technology Research Centre (IFTR)**.
- The solution transitions data management from physical ledgers to a digital system, enabling efficient **data collection, storage, analysis, and visualization**.

PicturePerfect

HTML, CSS, Java

May 2023 – Jun 2023

- Developed "Picture Perfect," a dynamic web application using HTML, CSS and Java.
- This platform enables users to effortlessly view, download, and manage their favorite images, while administrators can seamlessly upload new content and organize images into categories.

🏆 Awards

Winner in "Code For Good" National Level Hackathon

Conducted by JP Morgan & Chase

Developed a comprehensive web application for the NGO - Indigenous and Frontier Technology Research Centre (IFTR) focused on the farming sector.

22 Jun 2024

Winner in Technical Event : Snap Syntax-The World of Frontend

Conducted by Banasthali University

Demonstrated proficiency in replicating web designs accurately within specified constraints.

10 Mar 2024

💼 Professional Experience

Web Development Intern - OctaNet

Utilized HTML, CSS, and JavaScript skills to build responsive and user- friendly interfaces

Apr 2023 – Jun 2024

Salesforce Training Program

Selected in a comprehensive Salesforce training program: "Journey to Employment" aimed at facilitating the transition into employment.

Dec 2023 – Feb 2024

🧠 Skills

HTML

CSS

DBMS

OOPs

DS

C

C++

Python