

NAYAN OHRI

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🌐 [LinkedIn](#)

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Education

Thapar Institute of Engineering and Technology

B.E. in Computer Engineering ; CGPA: 8.37

Punjab, India

Aug 2020 – May 2024

National Convent Sr. Sec. School

Class XII (CBSE); Percentage - 92.4%

Punjab, India

Apr 2019 – Mar 2020

DAV Centenary Public School

Class X (CBSE); Percentage - 94.4%

Punjab, India

Apr 2017 – Mar 2018

Experience

Niti Tantra

Research Intern

Remote

Sep 2021 - Feb 2022

- Actively Participated in the team Discussions.
- Formulating Ideas trending in national politics.

Paryavaran Welfare Society

Member/Finance Secretary

TIET

Oct 2020 – July 2023

- Led team to conduct a society's flagship event ECO-PHILIA and managed finances for other events such as ECONIGMA which was another flagship event of the society.
- Tried to engage as much audience/students to contribute to environment & engage people towards the same.

Projects

Traffic Anomaly Detection | *Python, MiniConda, OpenCV*

Feb 2023 - Ongoing

- Determine which machine learning model for pre-crash detection is the most accurate that can be incorporated into current video surveillance systems.
- Designing a GUI for users to visualize the predicted results.
- Combination of Video Swim Transformer and LSTM model to predict the probability of the crash.

Diabetes Prediction | *Python, Scikit-learn*

July 2022 - Dec 2022

- Prototyped a diabetes prediction system that predicts diabetes in patients based on the specified symptoms such as pregnancies, BMI, age, blood pressure etc.
- Tested the performance of 3 Machine Learning algorithms and achieved the best average accuracy using Random Forest.

Blood Donation & Procurement Management System | *MySQL, PL/SQL*

Jan 2022 - June 2022

- Built a relational database to efficiently organize data of Blood Banks & procurement network.

Certifications

OOPs Guided Path | *Coding Ninjas (August 2023)*

- Basics of Object oriented programming such as constructors, destructors, abstract class etc.

Python Essentials 1 | *Cisco Certified (July 2023)*

- Use the syntax, semantics and the most important elements of Python Standard Library to write Python scripts and resolve implementation challenges.

Mastering PL/SQL by Parteek Bhatia | *Udemy (May 2022)*

- Use triggers, cursors, procedures and functions and their use in RDBMS.

Achievements

- Solved over 450+ DSA questions on platforms like [Leetcode](#), [CodeStudio](#), [GeeksForGeeks](#).
- Advanced to Flipkart Grid 5.0 Level 1.2.

Technical Skills

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|----------|------------|--------------|-----------|----------|
| • C++ | • C | • JavaScript | • PL/SQL | • MATLAB |
| • Python | • HTML/CSS | • SQL | • MongoDB | |

Relevant Coursework

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|-------------------|-----------------------|----------------------|---------------------------|
| • Data Structures | • Database Management | • Algorithm Analysis | • Artificial Intelligence |
| • OOPS | • Computer Networks | • Operating System | |