

# NISHA SAKLANI

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## EDUCATION

- **Thapar Institute of Engineering and Technology**  
*Bachelor of Technology - Electronics and Computers* Punjab, India  
July 2022 - June 2026
- **D.A.V Public School**  
*12th Standard; Grade: 94.6%* Dehradun, India  
Mar 2021

**Courses:** Operating Systems, Data Structures and Algorithms, Artificial Intelligence, Computer Networking, DBMS, OOPS

## PROJECTS

- **Olist E-commerce Customer Sales Dashboard:** Analyzed 100K+ orders from the Olist Brazilian E-commerce dataset to extract actionable customer and sales insights. Cleaned, transformed, and visualized multi-table data using R (RStudio) and Tidyverse packages. Built an interactive Tableau dashboard . Published the entire project with reproducible code and hosted live dashboard. (Jan 2024 - Mar 2024)  
**Tech Stack:** RStudio, Tidyverse (dplyr, ggplot2, lubridate), Tableau Public, GitHub
- **Visual Sorting Algorithm Simulator:** Created and implemented an interactive simulator for visual representation and comparison of different sorting algorithms(e.g. Bubble, Selection, Insertion, etc). Added incremental animations to illustrate how data is organized during sorting and improve algorithm comprehension. Wrote core logic in C++ and frontend interactivity in JavaScript and HTML/CSS. . (work in progress)  
**Tech Stack:** C++, HTML, CSS, JavaScript, DSA
- **Delhi Transit Analysis Dashboard:** Created an interactive dashboard to improve Delhi's public transport by utilizing GTFS bus routes and stops data. Used python and SQLite to clean, process and make sense of complex transit data. Used Tableau to visualize the top 10 busiest routes, busiest bus stops, trip duration trends, and stop density. Assisted mobility planning by identifying possible bottlenecks and lost efficiencies in urban mobility. (Feb 2025 - may 2025)  
**Tech Stack:** Python (Pandas), SQLite3, Tableau Public

## SKILLS SUMMARY

- **Languages:** C, C++,Html, CSS, JavaScript, Python, R, SQL
- **Frameworks:** Pandas, Numpy, Tidyverse
- **Tools:** Git, Github, VS-code, Rstudio, Bigquery, Tableau
- **Data Analysis:** Data Analysis: Data Cleaning, Visualization (Tableau), SQL, Excel, Googlesheets, Data Modeling, Business Analytics, Methodologies (Agile & Scrum)
- **Soft Skills:** Analytical Thinking, Problem-Solving, Data-Driven Decision Making, Communication, Teamwork

## CERTIFICATION

- Google Data Analytics Certification

## ACHIEVEMENTS

- Solved 300+ coding problems on platforms like LeetCode, GeeksforGeeks.
- Member of the School Debating Society, actively contributed to 10+ inter-school events.
- Secured position among Top 5 rank holders in both Class 10th and 12th at school level.

## VOLUNTEER EXPERIENCE

- **Executive Committee Member — Saturnalia Cultural Fest** (Nov-2024)
  - Managed logistics for over 10,000 attendees, ensuring seamless execution during peak hours.
  - Spearheaded planning efforts for the Fashion Walk event, coordinating over 100 team members.
  - Contributed to the successful execution of a techno-cultural fest, showcasing leadership, teamwork, and problem-solving.
- **Core Member — Discipline & Creativity — Urja Sport Fest** (Apr-2024)
  - Managed disciplinary protocols and ensured smooth conduct of events for 500+ participants .
  - Contributed to the creative conceptualisation and execution of pre-events.
  - Coordinated with other volunteers to ensure adherence to rules and foster a positive environment.