Nitish Kumar Sahu

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EDUCATION

Indian Institute of Technology (IIT) Madras Currently pursuing
Bachelor of Science (BS): Data Science and Applications

- **Completed Coursework:** Python, Java, Statistics, Database Management Systems (DBMS), Business Data Management (BDM), Modern Application Development (MAD 1 & MAD 2).

Government College, Ambala Cantt Currently pursuing
Bachelor of Science (BSc): Computer Science

- **Completed Coursework:** Data Structures & Algorithms (DSA), Operating Systems, Computer Networks, Object-Oriented Programming (OOP), C/C++, Software Engineering.

National Institute of Open Schooling (NIOS) 2023
Class XII (Senior Secondary) (Score: 78%)

Government High School (GHS) Military Dairy Farm 2021
Class X (Secondary) (Score: 90.6%)

SKILLS

Data Analysis & Libraries: Pandas, NumPy, Matplotlib, Data Cleaning, EDA, Statistical Analysis
Languages: Python, C, C++, SQL, Java, JavaScript, HTML, CSS
CS Fundamentals: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Operating Systems, Computer Networks
Databases: MySQL, PostgreSQL, Relational Database Design (DBMS)
Tools & Visualization: Power BI (Basic), Tableau (Basic), Microsoft Excel, Google Sheets, Git, Flask

DATA & ENGINEERING PROJECTS

Interactive Sales Performance Dashboard | *Power BI, SQL, Data Visualization* Nov 2025 – Dec 2025

- Transformed raw e-commerce datasets into an executive-ready visual narrative tracking revenue trends and top-performing regions.
- Built dynamic reports with interactive filters, slicers, and drill-down capabilities in **Power BI** for actionable business insights.

Customer Segmentation (RFM Analysis) | *Python, Pandas, Exploratory Data Analysis* Dec 2025

- Performed Recency, Frequency, and Monetary (RFM) analysis on transaction datasets to group customers by buying habits.
- Cleaned and preprocessed data to identify high-value segments, directly supporting targeted business strategies.

Placement Portal Data System | *Python, SQL, Flask, OOP* Jan 2026 – Feb 2026

- Designed and optimized relational databases (DBMS) using SQL to extract, manipulate, and securely store records for 300+ students.
- Documented database architecture and created data pipelines using Python and Flask to automate data collection.

ScholarsHub Resource Platform | *SQL, Data Management, JavaScript* Feb 2026 – Mar 2026

- Developed a centralized system to organize and maintain educational resources and user data for 500+ active students.
- Applied Business Data Management (BDM) principles to structure back-end tables, ensuring high data integrity and rapid querying.

AI Prompt Management Data Tool | *Python, Pandas, Data Extraction* Jan 2026 – Mar 2026

- Collected and analyzed prompt-response datasets to evaluate Large Language Model (LLM) performance.
- Presented analytical results and efficiency metrics to team members, ultimately increasing developer productivity by 30%.

ACHIEVEMENTS & CERTIFICATIONS

Data Analysis Fundamentals (Microsoft): Achieved certification in data analysis concepts, Excel, and visualization tools.
Python for Data Science (IIT Madras): Credentialed in Python programming for statistical and data science applications.
Team Lead (Open Government Data Platform): Led a technical data team (UIDAI 12156) in a national data-themed competition, organizing workflows, cleaning public datasets, and supporting data-driven civic projects.
1st Place Winner (SD Tech4Society Hackathon): Achieved first place out of 50+ competing teams by successfully developing and presenting a scalable, data-driven application platform.