

MANYA SRIVASTAVA

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[GitHub](#) | [Leetcode](#)

PROFILE SUMMARY

I am a high-spirited **Computer Science Engineering** student eager to leverage my foundational skills in **programming, data structures, and Data Analytics** in a collaborative and innovative environment. Aspiring to contribute to impactful projects while learning and growing as a software engineer. With a proven ability to quickly learn and apply new technologies, I focus on fostering teamwork and delivering impactful results that have meaningful impact.

PROJECTS

Project AnomAlert - A real-time anomaly detection system

April 2025

- **Tech Stack:** Python, Joblib, Scikit-learn, Streamlit.
- Built a real-time predictive maintenance system using Streamlit and Python, leveraging **Random Forest and Isolation Forest** for failure prediction and anomaly detection for monitoring industrial sensor data.
- Implemented interactive dashboards, live data simulation, alert logging, and UI-based model retraining to enhance system adaptability and decision-making.

Project Margdarshak - Dynamic Bus Routing System For DTC

Oct 2024 - Nov 2024

- **Tech Stack:** Python, Gradient Boosting Regressor, Pandas, Google Maps API, PostgreSQL
- Applied Dijkstra's algorithm and time-series forecasting to optimise real-time bus routes, reducing delays by 20%.
- Developed a machine learning model to **predict bus delays** with 85% accuracy using real-time traffic, weather data.

EDUCATION

GL Bajaj Institute of Technology and Management

2022-2026

B.Tech in Computer Science & Engineering (Data Science) | CGPA: 8.68

Mahatma Hansraj Modern School

2019-2022

High School & Intermediate | 10th Grade: 95% | 12th Grade: 91.4%

SKILLS

- **Languages:** Python, C++, Java, HTML, CSS, MySQL, PostgreSQL
- **Libraries/Frameworks:** NumPy, Pandas, Matplotlib, Seaborn, Rasa, MTCnn, Dlib
- **Developer Tools and Other Skills:** Kaggle, Git, GitHub, Jupyter Notebook, VS Code, Data Structures, Algorithms, Data Analytics, POSTMAN, Google Maps API, Machine learning(Ongoing), OpenWeather API, REST API.

ACHIEVEMENTS, INTERNSHIPS AND RESEARCH WORK

- **Alteryx Process Automation Virtual Internship by Eduskills AICTE:** Learnt data cleaning and analysis through practical projects.
- **Hack JNU 3.0 Winner:** Designed a toxic gas detection system for mining workers.
- **Smart India Hackathon Qualifier 2024:** Secured top **5th position** in the internal round.
- Solved **200+** problems on [LeetCode](#) and **300+** problems on [Coding Ninjas](#).
- **Infosys Springboard:** Developed the Car wipers sensors for rain.
- **Research Work:** **A machine learning based dynamic bus routing system for DTC.**

ADDITIONAL INFORMATION

- **Leader:** Led team for many hackathons including **Nationals** like **Smart India Hackathon** and **HackJNU** fostering my teamwork and leadership abilities.
- **Certifications:** **Cisco**(Networking ,Python essentials and cybersecurity), **Alteryx**(Designer Core), **Coding Ninjas**(C++ Specialist), **Coursera**(Earsketch in python).
- **Musician:** **Diploma** Certificate from **Berklee College (Boston,USA)** in **Music Theory and Composition**, **Spardha Idol (National level Music competition)** **Finalist**, Performed in IEEE Conference 2023.