

Ram Narayan Gupta

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Profile

I'm a passionate learner in Data Science and Machine Learning with a good foundation in data analysis and model building. Coming from a Computer Science background, I've worked on ML projects involving classification and regression. I have hands-on experience with Python, SQL, and Scikit-learn — essential tools for data processing, analysis, and building machine learning models.

ACADEMICS BACKGROUND

2022 – 2026	BACHELOR OF TECHNOLOGY <i>Raja Balwant Singh Engineering Technical Campus, Agra</i> Branch-Computer Science Engineering CGPA-7.25 (till 5th sem)
2021 – 2022	INTERMEDIATE <i>M. D. Jain Inter College, Agra</i> Percentage-68%
2019 – 2020	HIGH SCHOOL <i>Mufid E-Am Inter College, Agra</i> Percentage-73.33%

Technical Skills

Languages: C, Python, Java	Database: MySQL
Frameworks: Streamlit	Concepts: OOP's
Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scipy, Scikit-learn, Plotly	

LANGUAGES

Hindi Native	English Spoken
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INTEREST AREA

- Listening Music
- Travelling

ONLINE/OFFLINE COURSES

Java Online Course

Great Learning

This certificate is given by Great Learning to learn Java. [🔗](#)

Python Professional Course

Infosys Springboard

This certificate is given by Infosys Springboard to learn Python. [🔗](#)

Introduction to Data Science Course

Cisco

This certificate is given by Cisco to learn Introduction to Data Science. [↗](#)

Machine Learning

GUVI

This certificate is given by GUVI to learn Machine Learning. [↗](#)

PROJECTS

06/2025 – 07/2025

Wind Speed Prediction System (WSPS):

Technologies: ML

Developed LightGBM model using 6 years of NOAA data to predict wind speed up to 26 km altitude. Built an interactive Streamlit dashboard and improved accuracy through seasonal training. [↗](#)

02/2025 – 03/2025

Titanic Survival Prediction System (TSPS):

Technologies: ML

This ML project predicts Titanic passenger survival using features like age, gender, and class. It showcases classification (e.g., Logistic Regression) along with preprocessing, feature engineering, and model evaluation using the Kaggle dataset. [↗](#)

SOFTWARES

VS code, Jupyter Notebook, MySQL

Professional Experience

06/2025 – 07/2025

Agra

Summer Trainee

DRDO, Ministry of Defence, Govt. of India

- Undertook a prestigious summer training program at ADRDE, a premier lab under the Defence Research and Development Organisation (DRDO), focused on aerodynamic systems.
- Engineered advanced machine learning model (LightGBM) for altitude-based wind speed prediction using a decade's worth of NOAA meteorological data (2020-2025).
- Spearheaded the development of an interactive Streamlit application to visualize and forecast wind speed dynamically across altitudes ranging from upto 26 km.
- Gained hands-on experience in real-world data preprocessing, time-series analysis, model deployment, and scientific research methodologies in a defense R&D environment.