


# ANOOP MISHRA

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## Skills & Interests

**Language:** Jupyter Python( Matplotlib , Pandas , seaborn ,Tensorflow) , C++

**Technical:** Deep learning, Computer vision, Natural language processing ,Big Data,PowerBI ,Apache Spark & Apache Kafka Machine learning lab ,Gis Lab

**Interests:**Passionate about leveraging advanced technologies to extract insights from complex data.

## Experience & Project

### PhysicsWallah(iNeuron.ai) Data science master

Jan 2023 – Dec 2023

- Led and managed end-to-end **data science projects**, ensuring successful delivery from initial conception through to completion.
- Developed and implemented **machine learning models**, including **RNNs and deep learning algorithms**, to solve complex real-world problems.
- Designed and deployed **computer vision solutions** for **image recognition** and classification tasks, enhancing the accuracy and **efficiency of visual data processing**.
- Leveraged **Tableau for data visualization**, creating **interactive dashboards** that effectively communicate key insights to stakeholders.
- Mentored junior data scientists, providing guidance and support in **model development**, **data analysis**, and project management.
- Optimized **data pipelines** to improve processing speed and reliability, reducing computational costs and enhancing overall system performance.

### Climate change impacts on hydrologic extremes (Drought Analysis )

May 2024 – Present

Guide : Dr. Mahendra Chaudhary

Conducted in-depth drought analysis using **advanced statistical methods**, including the **Mann-Kendall test** and SPI indices.(Excel and Python to analyze and visualize **meteorological data** from the Indian Meteorological Department (IMD)).

### Chatbot project using LLM model OpenAI API

Dec 2023 - Jan 2024

Developed an intelligent chatbot using **OpenAI's Large Language Model (LLM)** integrated with **Telegram via BOTFATHER**. Implemented natural language processing to provide automated responses and enhance user interaction. Utilized Python for API calls and integrated the chatbot with Telegram for seamless communication.

### NLP Text Summarization with Hugging Face

Oct 2023 - Nov 2023

Developed an advanced text summarization model using **Hugging Face's** transformer library, improving efficiency in extracting key insights from large documents.

**Successfully reduced project turnaround time by 70%, from 10 days to 3 days.**

### Machine Learning

Aug 2023 - Sep 2023

Developed a machine learning model to predict Diamond prices using regression analysis. **Leveraged a dataset from Kaggle** to train and evaluate the model, achieving accurate price predictions based on features such as carat, cut, and clarity.

## Education

Malaviya National Institute of Technology (MNIT), Jaipur

MTech CGPA ( 7.23 )

(2023-2025)