

# Aditya Chouksey *AI and ML Enthusiast*

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## Profile

- Innovative and driven BTech student specializing in AI/ML, with hands-on experience in Python programming, startup ideation, and project development. Passionate about leveraging new technology to solve real-world problems. Skilled in problem-solving, team collaboration, and turning ideas into actionable outcomes.

## Skills

### C ,C++ and Python



Competent in C, C++ and Python with a solid foundation in programming and problem-solving.

### Data Analytics & Visualization: Power BI, MS Excel, Pandas, NumPy, Matplotlib

Proficient in analyzing and visualizing data using Power BI, MS Excel, and Python libraries. Skilled in creating dashboards, performing statistical analysis, and uncovering insights using Pandas, NumPy, and Matplotlib.

### Soft Skills



Communication, Teamwork, Fast Learner, Problem Solving, Leadership.

### Deployment and Development

Experienced in deploying AI and computer vision models using Flask, building efficient backends, creating interactive interfaces, and managing end-to-end workflows for production-ready systems.

### Machine Learning: Scikit-learn, Regression, Classification, EDA



Experienced in building regression and classification models using Scikit-learn, with strong skills in EDA, data preprocessing, feature engineering. Proficient in model evaluation and optimization for improved predictive performance.

### Tools & Platforms



Jupyter Notebook, Git, VS Code, Google Colab

### Computer Vision



Skilled in developing computer vision applications using OpenCV for image preprocessing, feature extraction, and real-time object detection with YOLOv8 on custom datasets. Experienced in building practical solutions like vehicle recognition and pothole detection systems.

## Languages

- English
- Hindi

## Projects

### Sustainable Fertilizer Recommendation System

Developed an **AI-powered fertilizer recommendation system** using **regression models and soil data analysis** to optimize crop yield, enhance soil health, and promote sustainable farming practices.

### Resume Analyzer & Tracker

Developed a Python tool using NLP to analyze resumes and match them with job descriptions by extracting key skills, experience, and education, enabling recruiters to efficiently screen candidates and track suitability for roles.

### AI-Powered Satellite Emission Tracker

Built an **AI-powered Satellite Emission Tracker (AI-SET)** using **LSTM and Isolation Forest** to predict and detect pollution anomalies from **satellite and IoT data** for **real-time environmental monitoring**.

### Dashboard Analysis

**Netflix EDA & Sales Dashboards** Analyzed Netflix data trends and built an interactive Power BI sales dashboard for KPI tracking and decision-making.