

PRATHAM AGARWAL

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SUMMARY

Motivated third-year Computer Science student with hands-on experience in developing scalable machine learning models. Proficient in Python, Scikit-learn, and learning PyTorch for deep learning. Demonstrated success in applying data-driven techniques to solve complex problems.

TECHNICAL SKILLS

Programming Languages: Python, SQL

Frameworks/ Libraries: Scikit-learn, PyTorch

Tools: Git, Jupyter Notebook, Linux

Machine Learning Techniques: NLP, Data Processing, Model Evaluation

PROJECTS AND EXPERIENCE

Crop Data Analysis and Prediction Model

- Developed a machine learning model with 85% accuracy using Scikit-learn, predicting crop yields from datasets of over 10,000 records.
- Led data preprocessing, improving dataset quality by 30% for accurate prediction.

Ping Pong Game

- Built a two-player interactive game, gaining experience in real-time animation and interaction design using Python Turtle Module.

Movie Recommendation System

- Designed and implemented a recommendation engine using techniques from a CampusX tutorial, leveraging collaborative filtering and content-based methods to suggest personalized movie choices.
- Integrated features for user input and feedback, improving the accuracy of recommendations and overall user satisfaction.
- Utilized Python and relevant libraries (e.g., Pandas, Scikit-Learn) for data analysis and model building, showcasing proficiency in machine learning and data-driven decision-making.

EDUCATION & OTHER

Ramdeobaba University

2022-2026

Machine Learning, Artificial Intelligence, Data Structures, Algorithms, Python Programming.

LANGUAGES: Hindi, English

CERTIFICATIONS

- Git and GitHub Bootcamp – Udemy, September 2024
- Introduction to Cloud Computing – Edx, May 2024
- Python Basics – Coursera, July 2023

INTERESTS

- Exploring Machine Learning and AI
- Reading Books
- Gaming