

Uday Kukreja

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GitHub link: <https://github.com/udaykuk>

Java, Python

Education

BTech:

VIT Bhopal University Bhopal, Madhya Pradesh
Expected May 2026
Major in Computer Science;
Minors in Artificial Intelligence and Machine Learning
Cumulative GPA: 7.76/10

12th Standard:

The Sanskaar Valley School Bhopal, Madhya Pradesh
Jul 2022
ISC Percentage: 88%

10th Standard:

The Sanskaar Valley School Bhopal, Madhya Pradesh
Jul 2020
ICSE Percentage: 91.6%

Projects

Cancer Detection Using AI and Machine Learning

April 2025

- Built an AI-based system for early cancer detection using MRI data and machine learning algorithms.
- Used CNN models like ResNet and U-Net for accurate tumor identification and segmentation.
- Achieved high diagnostic accuracy by integrating image and clinical data, improving early detection and reducing radiologist workload.

Integrating Machine Learning for Multiple Disease Prediction

May 2024

- Developed a unified disease prediction framework capable of identifying risks for conditions such as heart disease, diabetes, and Parkinson's using ML techniques.
- Leveraged classification algorithms and health datasets to enable early diagnosis and preventative care recommendations.
- Deployed a multi-disease predictor through a web-based interface, streamlining user input collection and improving clinical utility.

Integrating Machine Learning for Advanced Rainfall Forecasting

Oct 2023

- Designed a data-driven rainfall prediction system using regional historical data, real-time weather inputs, and long-term climate averages.
- Implemented machine learning algorithms to provide short-term rainfall forecasts for sectors such as agriculture, urban planning, and disaster management.
- Built a user-friendly web interface integrated with predictive models, enhancing accessibility and real-time decision-making in climate-sensitive industries.

Extra-curricular

- Sports:** participated in district and state level tournaments in lawn tennis and soft tennis
- Leadership:** Led a team of 20 student council members, fostering collaboration and effective communication.
- Event Management:** Organized and executed successful school events, increasing student engagement and participation.

Additional

Languages: Fluent in Hindi and English, with a strong grasp of both written and spoken communication.

Certificates: [Coursera: Applied Machine Learning in Python](#)

NPTEL: Privacy and Security in Social Media