

# Yuvraj Singh

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LinkedIn

GitHub

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## Education

- **B.Tech, CSE (E-commerce Technology), VIT Bhopal (Sept 2022 - May 2026) - CGPA: 7.95**
- **Class XII, St. Joseph's Co-Ed, Bhopal (2021) - 84.5%**
- **Class X, St. Joseph's Co-Ed, Bhopal (2019) - 87.2%**

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## Technical Skills

- **Languages:** Python, C++, PostgreSQL
- **Technologies:** Machine Learning, Database Management System
- **Tools:** Git, SQL Workbench, MongoDB, Power BI

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## Projects

### Enhanced Disease Prediction for Seasonal Outbreaks

- Developed a **machine learning model** that predicts diseases by combining **symptom-based prediction** with **active disease prevalence** in different geographic regions.
- Enhances traditional symptom-based diagnosis by **integrating real-time active case data** from different locations, improving prediction accuracy and awareness of outbreaks.
- **Used** Python, Pandas, Scikit-learn, and Matplotlib, Random Forest, and result visualization. Streamlit was used to deploy the final application.

### Hand Sign Interpretation System

- Developed a **CNN model** for sign language recognition using grayscale images.
- Improved model performance with **dropout** and **data augmentation**.
- Enhanced communication accessibility for people with hearing impairments.

### Product Review Using Sentimental Analysis

- Built a sentiment analysis model for **Flipkart** customer reviews using **ML** and **NLP**.
- We used **web scraping**, **data pre-processing**, and **feature extraction** to prepare the data set.
- Trained models (Naive Bayes, SVM, LSTM) and visualized sentiment trends for business insights.

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## Extracurricular Activities

- Won and Participated in many inter-college Basketball Tournaments
- Part of Advitya 2024 Cultural Fest's Organizing Team
- National-level basketball player

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## Certifications

- **Data Engineer Associate** (Data Camp, **Feb 2025**)
- **Python Essentials** (Vityarthi, **Jan 2023**)
- **Financial Modeling And Valuation** (Internshala, **Sep 2021**)