

# Yash Vishwakarma Software Developer

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## PROFILE

A software and ML developer skilled in Python, ML algorithms, data processing, and backend development. Experienced in building Python applications and applying ML models. Solved 100+ LeetCode questions in Python and SQL. Strong analytical mindset with a passion for AI, automation, and scalable software solutions.

### SKILLS

- Programming Languages:** Python, SQL/MySQL, C++, and JavaScript.
- Web Development:** HTML, CSS, Tailwind, and Bootstrap CSS.
- Data Structures and Algorithms:** Strong problem-solving skills and algorithmic thinking, with 150+ problems solved.
- Machine Learning:** Supervised & Unsupervised Learning, scikit-learn, pandas, NumPy, matplotlib, seaborn.
- Deployment:** GitHub Pages, Render, and PythonAnywhere.
- Soft Skills:** Communication, teamwork, leadership, and problem-solving

### EDUCATION

**Rajiv Gandhi Proudyogiki Vishwavidyalaya** ✉  
*Bachelor of Technology*  
07/2022 – Present | Jabalpur, India  
CGPA - **7.70**

**Nachiketa Higher Secondary School** ✉  
*Higher School Studies - 12th*  
04/2021 – 03/2022 | Jabalpur, India  
Percentage - **72.3%**

**Nachiketa Higher Secondary School** ✉  
*High School Studies - 10th*  
04/2019 – 03/2020 | Jabalpur, India  
Percentage - **83.33%**

## PROJECTS

### My Portfolio Website ✉

*This is my personal portfolio website that showcases my CV, as well as my soft and technical skills.*

- Architected and developed a responsive personal portfolio website using HTML, CSS, and JavaScript to showcase projects, skills, and professional experience.
- Implemented modern UI/UX principles, including clean layouts, smooth navigation, and interactive components to enhance user engagement.
- Used CSS Flexbox and Grid to ensure mobile-first, cross-device compatibility across desktops, tablets, and smartphones. Added JavaScript-based interactivity, such as dynamic content rendering, form validation, and smooth scrolling effects.
- Optimized website performance and accessibility, following best practices for semantic HTML, reusable CSS, and browser compatibility.
- Hosted the portfolio website on GitHub Pages, ensuring reliable hosting, version control, and easy maintenance.

### Movie Recommendation System ✉

*This is a machine learning model that recommends movies based on a given dataset.*

- Created a movie recommendation system using machine learning to suggest relevant movies to users based on similarity metrics and individual preferences.
- Implemented content-based filtering techniques, utilizing features such as genres, keywords, and movie metadata to compute similarity scores between films.
- To enhance recommendation accuracy and system performance, I applied data preprocessing and feature engineering, which included data cleaning, vectorization, and normalization.
- Used Python libraries such as Pandas, NumPy, and scikit-learn to build, train, and evaluate the recommendation model efficiently.
- Additionally, I designed an interactive text-based interface that allows users to input a movie name and receive personalized recommendations in real-time.

## WORK EXPERIENCE

### Pratinik Infotech ✉

*Python Developer Intern* 09/2025 - 11/2025

- Built a text-based **Blackjack game** using Python with OOP principles and clean code.
- Engineered game logic, scoring, user inputs, and error handling.
- Enhanced debugging, problem-solving, and Python development skills.

## CERTIFICATES

- DSA with Python (Udemy) ✉
- Full Stack Web Development (Edutantra) ✉
- Backend with Python Django (Udemy) ✉
- Machine Learning with Python (NPTEL) ✉
- Basics of C++ Programming (Edutantra) ✉