Yash Vishwakarma | *Software Developer*

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PROFILE

A software and machine learning developer skilled in Python, machine learning algorithms, data processing, and backend development. Experienced in building Python applications and applying machine learning 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:** Algorithmic thinking and strong problem-solving skills, 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 🔗
A personal portfolio website showcasing my CV, soft skills, and technical expertise.
- 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, 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) 🔗