

Manjeet Sharma

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CAREER OBJECTIVE

Passionate about coding, I'm driven by a growth mindset and eager to learn new technologies. I thrive in collaborative environments, aiming to contribute to innovative projects, overcome challenges, and continuously improve my skills.

EDUCATION

Senior Secondary (XII), Maharashtra State Board Of Secondary And Higher Secondary Education Deep Junior College Percentage: 70.20%	2024
Secondary (X), CBSE Deep Global School Percentage: 73.00%	2022

TRAININGS / CERTIFICATIONS

Python For Scientific Research

Nov 2024 - Present

udemy, Virtual

This course focused on using Python for scientific computing and data analysis, equipping me with the skills needed to apply Python in research and problem-solving contexts. I learned how to use key libraries like NumPy, Pandas, and Matplotlib to handle data, perform statistical analysis, and visualize results. The course covered topics such as data manipulation, matrix operations, and data plotting. Through hands-on projects, I gained practical experience in applying Python to real-world scientific problems, including working with large datasets and conducting exploratory data analysis. This course enhanced my ability to use Python for scientific research and data-driven decision-making.

CS50's Introduction To Programming With Python

May 2024 - Present

Harvard University, Virtual

I completed CS50's Introduction to Programming with Python, which provided a strong foundation in Python programming. The course covered core concepts like loops, conditionals, functions, object-oriented programming, file handling, and data processing. Through practical assignments, I gained skills in data manipulation, working with libraries, and creating command-line tools. I also worked on building APIs, handling JSON, and implementing interactive applications. The final project involved creating a functional Python application, showcasing Python's versatility and enhancing my problem-solving and coding abilities for advanced projects.

CS50's Introduction To Computer Science

May 2024 - Sep 2024

Harvard University, Virtual

I completed CS50x: Introduction to Computer Science, a renowned Harvard University course via edX. It provided foundational knowledge in algorithms, data structures, and programming with C and Python. I learned about memory management, computational efficiency, web development using HTML, CSS, JavaScript, and Flask, and database design with SQL. The course emphasized problem-solving and practical applications through projects like game development and building full-stack applications. It honed my critical thinking and coding skills, culminating in a final project showcasing my ability to create innovative solutions.

Python Fundamentals For Beginners

Apr 2024 - May 2024

Great Learning, Virtual

This course provided an introduction to Python programming, focusing on the core concepts essential for building a strong programming foundation. I learned how to work with variables, data types, operators, control structures (loops, conditionals), and functions. The course also covered basic error handling and debugging techniques to write clean and efficient code. Through practical exercises and projects, I gained hands-on experience in solving real-world problems with Python, making use of its versatility for tasks like data manipulation and automation. This course significantly enhanced my problem-solving skills and understanding of Python's basic functionalities.

PORTFOLIO

[GitHub link ↗](#)

[Portfolio link ↗](#)

PROJECTS

AI powered Canvas Calculator

Nov 2024

The AI-Powered Canvas Calculator allows users to draw mathematical and physics problems directly on a canvas. Using advanced AI, it analyzes the drawn expressions and applies rules like PEMDAS to solve them. This tool can interpret simple math problems, equations, and graphical representations, providing accurate solutions. The canvas offers a user-friendly interface, making it easy for students to interact with math and physics concepts. The AI also handles abstract problems, giving detailed explanations. With the ability to solve equations, assignments, and graphical problems, this tool bridges the gap between traditional problem-solving methods and innovative AI-powered solutions, making learning engaging and interactive. By combining AI with a drawing canvas, the tool empowers students to visualize, solve, and better understand complex topics in a dynamic and intuitive way.

Face detection system

Nov 2024

The Face Detection System is a Python-based project designed to make authentication simple and secure. It uses OpenCV to capture a live photo and compares it with stored images of the user using Google's Gemini API. This ensures accurate identity verification without relying on traditional passwords. When a user initiates the process, the system quickly captures their image, matches it with saved data, and decides whether to grant access. It's user-friendly, secure, and perfect for reducing the risk of unauthorized access. This project demonstrates expertise in Python, OpenCV, and API integration while offering a scalable and innovative solution for authentication needs.

Students Exam preparation Web App

Oct 2024 - Present

The Student Test App is designed to help students prepare for exams by offering a seamless platform for taking practice tests. It allows students to select from various subjects and attempt multiple-choice, written-answer, and matching questions, with features tailored to both personal and non-personal users. For Sarthies (personal students), the app provides full access to all resources, while non-Sarthies can pay for full access. The app includes a timer, question navigation, and a system for submitting answers. It also allows students to review their progress and track performance. The app offers an interactive, user-friendly experience, helping students sharpen their skills and boost their exam confidence with real-time feedback and progress tracking.

SKILLS

- | | | |
|-----------|--------------|-------------------|
| • HTML | • JavaScript | • CSS |
| • ReactJS | • Node.js | • Express.js |
| • MongoDB | • Canva | • DaVinci Resolve |
| • Git | • GitHub | • Tailwind CSS |
| • VS Code | | |

EXTRA CURRICULAR ACTIVITIES

- **Event Organizer – Gaming & Debate Competition** Successfully organized and managed a 2.5-hour multi-event gaming and debate competition for Sarthies Classes, involving 20 participants. Coordinated activities across various games, including chess, carrom

Employment management system

Oct 2024 - Nov 2024

The Employment Management System is a comprehensive platform designed to streamline the process of managing employees, tasks, and work assignments. The system includes a secure login feature for both employers and employees, ensuring data privacy and access control. Employers can easily manage employee profiles, track work hours, and assign tasks through an intuitive dashboard. Employees can log in to view their assigned tasks, update their work status, and submit completed tasks for review. The system facilitates smooth communication between employers and employees, with options for feedback and performance tracking. This system aims to improve productivity, maintain accurate records, and foster better collaboration between employers and their teams, offering an all-in-one solution for efficient employee and task management.

Interview AI

Oct 2024 - Present

AI Interview Assistant is a smart tool designed to help you prepare for job interviews and improve your English. It allows you to select a specific company or industry and generates tailored interview questions based on that choice. The AI adjusts the difficulty level to match the job you're applying for, whether it's entry-level or senior. Beyond interview prep, the AI also helps you improve your English by correcting mistakes in grammar, pronunciation, and word choice. It provides real-time feedback, ensuring you speak confidently and professionally. With mock interviews and personalized feedback, the AI tracks your progress and helps you refine your skills over time. Whether you're practicing your answers or improving your language, the AI Interview Assistant is your personal coach for acing interviews and boosting your communication skills.

Basic Web development

Jul 2024 - Present

- Developed 9 websites using HTML, CSS, and JavaScript, showcasing modern, responsive, and unique designs with a focus on user experience and functionality.
- Built a React-based website featuring an interactive 3D model, demonstrating advanced front-end skills and creative design integration.
- Created another unique React website, reflecting a strong ability to implement innovative features and custom design solutions.

ADDITIONAL DETAILS

- JEE Exam: Achieved 81.3 percentile in the highly competitive JEE-Mains exam, one of India's toughest exams with 14 lakh candidates. This demonstrates my strong problem-solving skills, perseverance, and in-depth knowledge of mathematics and physics.
- MH-CET EXAM: Secured 86% in the MH-CET exam, one of the toughest exams in Maharashtra with 7.23 lakh candidates. This score reflects my solid understanding of Mathematics, Physics, and Chemistry, and readiness for higher education in engineering.