Swaraj Mahadik

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Pune, Maharashtra, 411001, India | 9860913764

Education

Pimpri Chinchwad College of Engineering, Pune
Bachelor of Technology in Computer Engineering (2022-2026)
GPA: 8.92

Maharaja Sayajirao Junior College, Satara
HSC (2020 - 2022)
Score: 84.33

Work Experience

Movie Recommendation System (Using Python and Data Mining Concepts) (Oct 2024)

1. Developed a Python-based movie recommendation system using the TMDB 5000 dataset, applying data preprocessing, stemming, and feature extraction for accurate recommendations.
2. Utilized CountVectorizer, cosine similarity, and NLP techniques with Python libraries (Pandas, Numpy, Scikit-learn) to recommend movies based on genres, keywords, and cast.

Twitter Trend Web Scraper (Dec 2024)

1. Developed a Twitter Trending Topics Scraper using Selenium and MERN stack to automate login, extract top trends, and display them in a React frontend with data stored in MongoDB.
2. Implemented dynamic element handling and robust error handling to ensure reliable real-time data extraction and seamless integration with the full-stack application.

Vief (Vastav Incubatex And Entrepreneurship Foundation) (Dec 2024)

1. Built a robust admin dashboard using the MERN stack to manage Events, Startups, Members, Awards, Schemes, News, Blogs, Partnerships, and Gallery, with Cloudinary integration for efficient image upload and storage.
2. Automated Excel file generation for user data export, implemented comprehensive CRUD operations for all modules, and designed a mobile-first interface with enterprise-level scalability and performance optimization

Academic Projects

Heart Disease Prediction (Oct 2024)

1. Developed a Heart Disease Prediction Web Application using Flask and Scikit-learn, enabling users to input health metrics and receive real-time predictions based on a K-Nearest Neighbors (KNN) machine learning model.
2. Achieved high model performance with accuracy, precision, and recall metrics, and implemented data preprocessing, scaling, and evaluation to ensure reliable predictions.

Personal Finance Tracker (Feb 2025)

1. A Flask-based web application to track income, expenses, and savings with data persistence using JSON.
2. Features expense categorization, financial tips via AI, and a Matplotlib-generated expense chart..

Core Skills

python,React, Node.js, JavaScript, Html, CSS, MongoDB, MySQL, PostgreSQL, C++, Tailwind, Bootstrap, Object Oriented Programming, Networking

Certification

The Complete 2024 Web Development Bootcamp *Udemy*
Python Course for Beginners : Mastering the Essentials *Scaler*
Complete Data Science,Machine Learning,DL,NLP Bootcamp *Udemy* (ongoing)

Extracurricular activities

- **DevOps Head at GDGC PCCOE :** Developed website for Alphabyte (national level Hackathon by GDGC PCCOE)
- **Web Executive at GDSC PCCOE**: Conducted a web development bootcamp on HTML, CSS, JS, and Bootstrap.