Mahesh Macchindra Phalke

Fresher | Full Stack Developer | Data Science & Machine Learning

Mahesh-Phalke159 Mahesh_Phalke Portfolio MMP

PROFILE

Fresher B.Tech CSE student specializing in Data Science, Machine Learning, and Full Stack Development. Skilled in Python, Java, and JavaScript with hands-on experience in Al projects and web applications. Eager to contribute technical skills and innovative solutions to real-world challenges.

PROFESSIONAL EXPERIENCE

Deloitte - Data Analytics Job Simulation (Forage)Deloitte

04/2025 Remote

- Completed a virtual job simulation on real-world business data analysis and visualization.
- Applied data cleaning, modeling, and storytelling techniques to deliver actionable insights.
- Strengthened proficiency in Excel, SQL, and data visualization tools.

EDUCATION

BTECH in Computer Engineering - 7.47 CGPA
Government College Of Engineering, Yavatmal

HSC - 76.14 %
Maharashtra State Board Of Higher Secondary Education, Pune

SSC - 85.40 %

11/2022 - Present
Yavatmal
06/2021 - 06/2022
Shevgaon

Maharashtra State Board Of Secondary Education, Pune Shevgaon

SKILLS

Languages

Python, Java (Core), JavaScript, C

Backend & Database

Node.js, Express.js, Flask & MySQL, MongoDB, Supabase

Software Engineering Practices

Version Control System, Git/GitHub, Agile Development, REST APIs

Soft Skills

Team Management, Communication

Frontend

HTML, CSS, Tailwind, React.js, Bootstap

Tools

Excel, SQL, Power BI, VS Code, Collab

Data & Al

Data Science, Machine Learning, RAG

Language Skills

English, Hindi, Marathi, German

PROJECTS

GlobalNest - A Property Rentals and Bookings ☑

- Built a full-stack web application with user authentication, Razorpay payment integration, Mapbox maps, and Cloudinary image hosting.
- Developed a responsive and optimized UI to deliver a seamless property booking experience.

Hospital Management System

- Developed a full-stack web application using Flask, SQLite, and Tailwind CSS to streamline hospital operations. Implemented role-based dashboards for doctors and patients with secure authentication.
- Integrated an Al-powered medical chatbot and ensured a responsive, seamless user experience.

MNIST Digit Classifier 🛮

- Developed an interactive web application using Flask and Keras that allows users to draw digits and receive real-time predictions. Integrated a trained neural network on the MNIST dataset for accurate digit recognition.
- Built a modern, user-friendly UI with canvas drawing and instant prediction feedback, ensuring seamless user interaction.

RAG AI Teaching Assistant for Educational Videos

- Developed a Retrieval-Augmented Generation (RAG) Al assistant that provides answers from userprovided educational videos. Implemented end-to-end pipeline to convert videos to audio, extract embeddings, and generate vectorized prompts.
- Integrated with an LLM for accurate, context-aware responses, enabling an interactive learning experience.

Q ACHIEVEMENTS & CERTIFICATIONS

CodeWithHarry - Data Science and Machine Learning

06/2025 - 09/2025

- Gained practical skills in data analysis, visualization, data cleaning, and machine learning.
- Applied techniques in data scraping, predictive modeling, and Retrieval-Augmented Generation (RAG).

Apna College - Full Stack Development

11/2024 - 02/2025

- Learned MERN stack (MongoDB, Express.js, React.js, Node.js) for full-stack web development.
- Built and deployed responsive web applications using modern tools and frameworks.