

# Mahesh Macchindra Phalke

Fresher | Full Stack Developer | Data Science & Machine Learning

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🌐 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 AI projects and web applications. Eager to contribute technical skills and innovative solutions to real-world challenges.

## 📁 PROFESSIONAL EXPERIENCE

**Deloitte – Data Analytics Job Simulation (Forge)** 04/2025  
Deloitte 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** 11/2022 – Present  
Government College Of Engineering, Yavatmal Yavatmal

**HSC - 76.14 %** 06/2021 – 06/2022  
Maharashtra State Board Of Higher Secondary Education, Pune Shevgaon

**SSC - 85.40 %** 06/2019 – 07/2020  
Maharashtra State Board Of Secondary Education, Pune Shevgaon

## 🧠 SKILLS

**Languages**  
Python, Java (Core), JavaScript, C

**Frontend**  
HTML, CSS, Tailwind, React.js, Bootstrap

**Backend & Database**  
Node.js, Express.js, Flask & MySQL, MongoDB, Supabase

**Tools**  
Excel, SQL, Power BI, VS Code, Collab

**Software Engineering Practices**  
Version Control System, Git/GitHub, Agile Development, REST APIs

**Data & AI**  
Data Science, Machine Learning, RAG

**Soft Skills**  
Team Management, Communication

**Language Skills**  
English, Hindi, Marathi, German

## 🏆 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 Certificate** 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.

## PROJECTS

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### **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 AI-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) AI assistant that provides answers from user-provided 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.