

# Abhay Dadasaheb Jadhav

📍 Pune, Maharashtra    ✉ jadhavabhay1302@gmail.com    ☎ +91 9923885429    in Abhay Jadhav  
🔗 Abhay3898

## Skills

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**Programming Languages:** C, Python.  
**Tools:** Python, PySpark, Jupyter Notebook  
**Agricultural Analytics:** Crop Yield Prediction, Soil Analysis Integration  
**Machine Learning:** Regression  
**Web Development:** HTML, CSS, JavaScript, ReactJS.  
**Database Management:** MySQL.  
**Version Control:** Git, GitHub.  
**Data Structures & Algorithms**

## Projects

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- **Crop Yield Prediction:** *Technologies Used:* Python, PySpark, Jupyter Notebook  
Designed and developed a crop yield prediction model using historical data from FAO and synthetic dataset simulation, showcasing expertise in data engineering and machine learning. Generated synthetic datasets with realistic distributions to model agricultural scenarios, leveraging domain knowledge in environmental science and agriculture. These projects were designed to predict the yield of desired crops based on specific farm conditions. By integrating historical data (e.g., FAO crop yield statistics) with synthetic datasets and soil properties (e.g., pH, nitrogen levels, organic carbon), the system enables farmers to make informed decisions tailored to their unique environmental and farming practices. The model considers factors such as rainfall, temperature, and soil type, providing actionable insights to optimize crop selection and maximize yield potential.
- **Plant Care Scheduler** *Technologies Used:* React.js, Bootstrap  
Created a simple web app to help users track when to water and fertilize their plants. Built an easy-to-use interface where users can add plant names and set how often they need to be watered and fertilized.

## Education

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- **M.Sc. Computer Science** (2023 – 2025) (Expected)  
Department of Computer Science, Savitribai Phule Pune University, Pune.
- **B.Sc. Computer Science (CGPA – 8.68 / 10)** (2020 – 2023)  
Fergusson College, Pune.
- **HSC (PERCENTAGE – 58.62 %)** (2020)  
Vidya Vardhini Jr. College, Pune.
- **SSC (PERCENTAGE – 78.80 %)** (2018)  
Kashi Vishweshwar English Medium School, Pune.

## Hobbies

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Trekking  
Cycling  
Exploring