

Megharaj Patil

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Education

Modern Education Society's Wadia College of Engineering, Pune Bachelor of Engineering in Computer Engineering – SGPA: 8.79	2022 – 2026
Sangameshwar Junior College, Solapur Higher Secondary Certificate - 78.17%	2021 – 2022
Siddheshwar High School, Solapur Secondary School Certificate - 94%	2019 – 2020

Experience

- **Data Science Intern** *Sofcon Training* Dec 2024 – Jan 2025
 - Conducted data preprocessing, statistical analysis, and feature engineering using Python (NumPy, Pandas).
 - Created data visualizations using Matplotlib and Seaborn, Built **regression-driven ML models** for **predictive analytics**, improving data-driven decision-making.

Academic Projects

- **Blood Donation Management System** (*React.js, Node.js, MongoDB, REST APIs*)
 - Designed user interfaces for donor/recipient registration, blood search, and request submission using HTML, CSS, and React.js.
 - Developed a blood search functionality based on multiple parameters and implemented an admin panel for real-time monitoring of blood donations.
- **Carbon Footprint Calculator**(*PHP, MySQL, HTML, CSS, JavaScript*)
 - Developed interactive forms to capture user activities such as travel, energy consumption, and waste generation, enabling real-time carbon footprint calculation.
 - Integrated personalized sustainability recommendations and managed user data tracking using MySQL.
- **Flight Price Prediction Model**(*Python, Machine Learning, flask*)
 - Developed a **Flask-based web application** for **real-time flight price prediction**, integrating a trained ML model with robust **data preprocessing, feature engineering**, and dynamic inputs like **airline, route, stops, and duration**.
 - Implemented **Random Forest Regressor**, achieving $R^2 = 0.9854$ on a **300,000+ record dataset**.

Skills

- **Programming Languages:** Python, C++, Java .
- **Web Development:** HTML, CSS, JavaScript, PHP, React.js, Node.js, MySQL, MongoDB, REST APIs.
- **Computer Science Fundamentals:** Object-Oriented Programming, DBMS, OS, DSA.
- **Tools & Platforms:** Git, Github, Docker, CI/CD.
- **Soft Skills:** Strong communication skills, Leadership, Active listener, Quick learner

Certifications & Extracurricular Activities

- Artificial Intelligence (Infosys Foundation Finishing School for Employability Program)
- C++ DSA Certification
- Introduction to MongoDB (MongoDB University).
- NSS Volunteer