

ADITYA PATIL

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About Me

Web developer with over 3 years of experience and 1+ year of hands-on experience in Machine Learning. Proven track record of building web applications across domains including healthcare, transportation, and more. Actively seeking opportunities to leverage expertise in web development and machine learning to solve real-world problems.

Tech Stack

Languages : Python, C++, HTML, CSS, Javascript

Frameworks & Library: PyTorch, Pandas, Numpy , Flask, ReactJS, BeautifulSoup

Tools : Visual Studio, Github, Git, Unreal Engine, Isaac Sim, AirSim

Experience/Projects

❖ AI Powered Hospital And Patient Management System

Built a full stack web-application to digitize and streamline hospital workflows, allowing efficient coordination between doctors, staff and patients.

- ❖ Developed backend system to Manage Patient and Doctors Records, Secured Google Authentication, Book Appointment, integrate OCR and GoogleGemini API and Video Consultation and Database Management and Pipeline.
- ❖ Through this system doctors can keep track of patients data, patients can check their previous consultation details such as reports and prescription anytime and anywhere, Enables nearby hospitals to collaborate and coordinate the sharing of medical resources and equipment, hospitals can keep track of their inventory and AI can predict the future need of the equipment,
- ❖ Improved appointment booking and made ease for patients and doctors to look up for previous consultation records. Made coordination between hospitals easier and faster.
- ❖ [Link](#), [Github Repository](#)

❖ Smart Parking Slot Booking & Management Platform

Built a complete web-application to find public/private parking spaces near the searched destination which helped in reducing time for finding parking spaces and reducing the traffic.

- ❖ Developed frontend using ReactJs and backend system to find the listed spaces near the searched location using longitudes and latitudes, Google Authentication and Firebase for storing and managing data, Implemented real time searching using HereWeGo Maps SDK and MapBox API for.
- ❖ Implemented searching system by taking the searched location coordinates and funding the coordinates in firebase with change of 0.0001.
- ❖ Designed with a mobile-friendly UI, making bookings accessible on both mobile & desktop.
- ❖ [Link](#) , [Github Repository](#)

❖ Canteen Management Web Application

- ❖ Canteen Management web-application to manage the food services at the organisation. It helps to manage the food catering services without any need to develop personal solutions for organisations.
- ❖ Suitable for **colleges, offices, and organizations**, eliminating the need for dedicated food management services.
- ❖ Can process **500+ food orders daily**, reducing wait times by **40%**.
- ❖ Real-time updates with **99% accuracy**, enhancing customer satisfaction.
- ❖ Allows chefs to handle orders **30% faster** by streamlining order management.

- ❖ **Technologies** : Built using **Flask, HTML, CSS, JavaScript, and SQLite**, ensuring a **lightweight and scalable** system.
- ❖ [Github Repository](#)

Education

- **Dr. D. Y. Patil Institute of Engineering, Management and Research, Pune**
Artificial Intelligence and Data Structure - Oct 2024 (Pursuing)
- **Z B Patil College, Dhule**
12th Science Computer - 82.6%

Mini Projects

Portfolio website ([Link](#)), Arduino Home Assistant ([Link](#)), AI Assignment generation and Dictation([Link](#))

Certifications and Courses

Python Basics - HackerRank, Credentials: hackerrank.com/certificates/62c60659914c

HTML & CSS - SoloLearn, Credentials: sololearn.com/certificates/CT-OMQ0GWXF

Core C++ - DevTown, Credentials: cert.devtown.in/verify/7Lguj44Q

Machine Learning Crash Course - Google For Developers