Aakash Girhe

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About Me

I'm Aakash Ashwin Girhe, an MCA student with an interest in building reliable web and software applications. I enjoy creating user-friendly solutions, working with databases and APIs, and collaborating in team environments. I am currently seeking an internship where I can learn, improve my technical skills, and contribute to meaningful digital projects.

Skills

Technical Skills: PHP, MySQL, VB.NET, Tailwind CSS, basic React/Next.js, Supabase, REST APIs, API integration.

Soft Skills: Problem-solving, teamwork, communication, adaptability, time management.

Education

- **Ness wadia College of Commerce ,Pune | 2018-2021**
  BBA(Computer Application) | First Class Honors, 75.16%
- **PES Modern College of Engineering,Pune | 2024-2026**
  Master of Computer Applications (MCA) – Ongoing | Current GPA: 7.22

Projects

First Trip App

Tech Stack: *React Native,TypeScript, Supabase ,Node.js, OpenAI API, REST APIs,Geolocation API.*

- Built a cross-platform React Native app for AI-powered travel itinerary generation and offline navigation.
- Integrated OpenStreetMap APIs for real-time location tracking, dynamic maps, and offline map caching.
- Explored and integrated new APIs for payments, bookings, and AI-driven travel recommendations.

Flight Delay Prediction System

Tech Stack: *Python • Machine Learning • API Integration • Data Analytics*

- Built an ML-based prediction system that forecasts flight delays using real-time flight data.
- Integrated external APIs to fetch **live flight schedules, weather conditions, and airline data** for dynamic prediction.
- Performed data cleaning, feature engineering, and model training using algorithms such as Random Forest
- Implemented automated pipelines to continuously update the model with the most recent data.
- Visualized predictions and model performance using Matplotlib/Seaborn dashboards.

Book Recommendation System using Information Retrieval

Python • NLP • Information Retrieval • Ranking Models

- Developed an IR-based recommendation system that suggests books based on user queries.
- Implemented **TF-IDF, cosine similarity, and language-model-based ranking** to match users with relevant books.
- Preprocessed text data using tokenization, stemming, stop-word removal, and normalization.
- Used a query-document similarity approach to rank books based on content relevance.
- Enabled fast search and retrieval using vectorized representations of book descriptions.