

# Harmee Patel

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## Summary

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Driven developer with a strong background in **building and enhancing web platforms**. Aiming to leverage **strong problem-solving skills** with experience in **PHP, jQuery, Figma, NodeJs, MySQL** and other technologies, with a **strong command in UNIX/LINUX systems** in optimizing performance, designing intuitive interfaces, and implementing features that helps company's and user's goals. Looking to learn and improve my working knowledge about emerging languages like **Go, Zig, and Rust**.

## Technical Skills

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**Languages** JavaScript, TypeScript, PHP, Python, Go, Zig, C, Lua, Bash

**Databases** MySQL, SQLite, PostgreSQL

**Technologies** Astro, CSS, Git, Github Workflow, HTML, JSON, Query, Keras, Laravel, Next.js, NodeJs, NumPy, Pandas, REST, React, Redux, Styled-component, Tailwind, Tensorflow

## Work Experience

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### Full-Stack Developer at AllEvents

- Developed and maintained a comprehensive ticketing platform for various events, using PHP and Query.
- Redesigned and implemented a new *pricing page*, contributing to the website's overall design enhancement strategy.
- Created and designed a user-friendly *publish event page* for hosts, using Figma to design UI/UX, resulting in increased host engagement.
- Developed a notification system for the host dashboard, ensuring consistency with the platform's design philosophy.
- Enhanced user experience by adding quality-of-life features to event pages, leading to higher user interaction and satisfaction.
- Optimized backend API performance, reducing payload size across multiple services, improving speed and efficiency.
- Implemented a "Get Ticket" booking modal on event pages, streamlining the ticket purchasing process for users.
- Developed a recommendation/search system based on user interests, using personalized recommendations to increase user engagement and event relevance.

## Academic Projects

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### Music Player

- Designing and implementing a music player integrating machine learning.
- Using Flutter to create a cross platform basic music player app with two pages songs, and playlists.
- Using SQLite to store song metadata.
- Integrating ML Kit by Firebase to detect facial expression and using the song metadata like genre to curate a playlist to improve or enhance user's mood, i.e. creating an uplifting playlist if the user seems to be sad, or creating an energetic or shuffled playlist if the user seems happy or excited.

## Projects

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### Dockerized Go Website Template

- Using http package in Go standard library to create a simple http-server with handlers for pages.
- Adding HTMX as dependency to have access to AJAX, CSS Transitions, WebSockets and Server Sent Events directly in HTML, using attributes, to build modern user interfaces with power of hypertext
- Using Docker to package the application in a container for fast and efficient deployment.

## Education

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### Master's in Computer Science (CS)

Lakehead University (3.9/4)

- Focus on Machine Learning Courses i.e. DeepLearning, ComputerVision, PatternRecognition, etc.
- Learned how to work in teams, leading a team, and also managing roles within a team.
- Using Rust to parse and preprocess all the data for different machine learning courses using libraries like clap, serde\_json, itertools, etc.

### Bachelor's in Computer Engineering (CE)

LDRP Institute of Technology and Research (7.9/10)

- Focusing on fundamentals of Computer Science i.e. Database Management, Networking, etc.
- Learning and experimenting with then new technologies like React, Vue, Docker, etc.