Christian Dior Feraer's Portfolio

Hi, I’m Christian Dior Feraer, an Applied Mathematics graduate and aspiring software engineer who enjoys turning ideas into working software.

I build full-stack applications, backend systems, developer tools, and interactive games. I’m particularly interested in understanding how software works beyond the interface, from frontend architecture and APIs to databases, authentication, storage, deployment, and cloud infrastructure.

My projects range from production-oriented web applications to experimental game projects. I’ve built a PHP/MySQL portfolio CMS with authentication, content management, file storage, Docker, automated backups, and cloud deployment; a React and Express task management system backed by PostgreSQL and Prisma; and a Laravel file storage module designed around secure uploads, Cloudflare R2, malware scanning, signed URLs, background processing, and resumable uploads.

I also enjoy building software outside traditional web development. My projects include a React and Supabase multiplayer baseball game with matchmaking and friend rooms, as well as Unity/C# games such as Flappy Bert and TatangNyet. These projects let me explore game systems, real-time interactions, software architecture, and player experience.

My Applied Mathematics background gives me a strong foundation in analytical thinking, statistics, data analysis, spatial analysis, and problem solving. My experience working in accounting has also given me exposure to real-world business processes and data, leading me to build automation systems that reduce repetitive work and improve accuracy.

What I Work With

Languages: Python, JavaScript, PHP, SQL, C#, C++, HTML/CSS

Frontend: React, Vite, Tailwind CSS

Backend: Node.js, Express, PHP, Laravel

Databases & Storage: MySQL, PostgreSQL, Supabase, Cloudflare R2

DevOps & Cloud: Docker, GitHub Actions, Render, Cloudflare

Game Development: Unity, C#, Godot

Data & Analytics: Statistical Modeling, GIS, Spatial Analysis, Data Visualization

Engineering: REST APIs, Authentication, Security, System Design, Automation, Testing

I’m currently focused on growing as a full-stack/software developer, with particular interest in backend engineering, system design, cloud infrastructure, and game development.

I learn by building, experimenting, breaking things, understanding why they break, and improving the system until it works the way it should.

Build it. Break it. Understand it. Improve it.

Projects

Task Management System

SITE DEMO: Not deployed, Repo Public. Clonable

A full-stack **task management web application** built with **React and Express.js**, designed to provide a simple and efficient way to organize, track, and manage tasks.

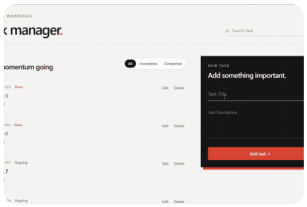
The application supports complete **CRUD operations**, allowing users to create, edit, complete, search, filter, and delete tasks. Tasks are persistently stored in a **PostgreSQL database**, with **Prisma ORM** handling database operations and a RESTful Express API connecting the frontend and backend.

The frontend uses **React, Vite, and Tailwind CSS** to provide a responsive interface with inline editing and instant UI updates without requiring page refreshes. The backend is structured around dedicated API endpoints for task management, search, filtering, and completion status.

This project demonstrates my ability to build a complete application across the **frontend, backend, API, and database layers**, while working with modern JavaScript tooling and relational database architecture.

Tech: React • Vite • Tailwind CSS • Express.js • Node.js • Prisma • PostgreSQL • REST API

Link: https://github.com/IntianDayor/Task-Management-System



File Upload / Storage System

Note:

This project is

not currently deployed

as a standalone application. It was developed as a reusable Laravel module that can be deployed and integrated into other Laravel projects. The source repository is

private

, but the project is available for portfolio demonstration.

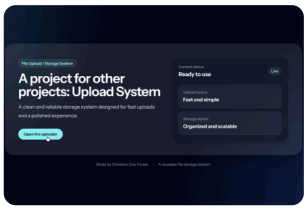
A reusable **Laravel file upload and storage system** designed for secure and reliable file management. The project supports local storage and **Cloudflare R2**, content-based file validation, signed temporary download URLs,

automatic **ClamAV virus scanning**, image optimization, and chunked/resumable uploads for large files.

Built as a standalone module that can be integrated into other Laravel applications, this project demonstrates my experience with **backend development, cloud storage, application security, asynchronous processing, and scalable file handling**.

Tech: Laravel • PHP • MySQL • Cloudflare R2 • ClamAV • Flysystem • Intervention Image

Link: https://github.com/IntianDayor/File-Upload-Storage-System-Showcase



Baseball Multiplayer

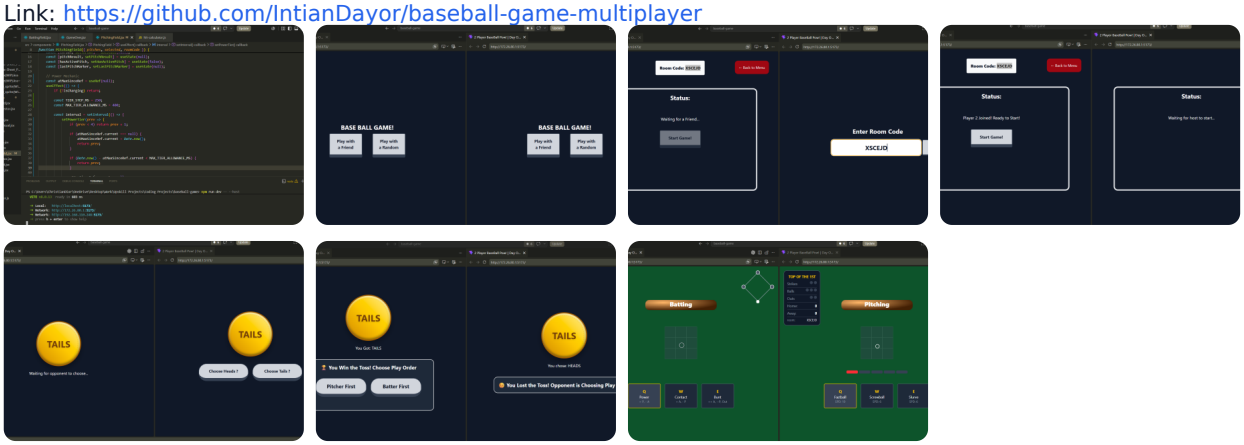
DOWNLOAD HERE: ◫ Currently in Active Development

A real-time online multiplayer baseball game built with **React, Vite, Tailwind CSS, and Supabase**. Players can create or join game rooms and compete through synchronized turn-based gameplay with live database updates. The project features a custom pitching and batting engine, realistic baseball mechanics, runner advancement, innings, strike zones, and a modular game-state architecture designed for maintainability and future expansion.

This is my most ambitious personal project and continues to evolve with new gameplay mechanics, networking improvements, balancing, artwork, and overall polish as I work toward a complete playable release.

Tech: React • Vite • JavaScript • Tailwind CSS • Supabase • Git

Link: https://github.com/IntianDayor/baseball-game-multiplayer



Portfolio Hub / Login Dashboard Project

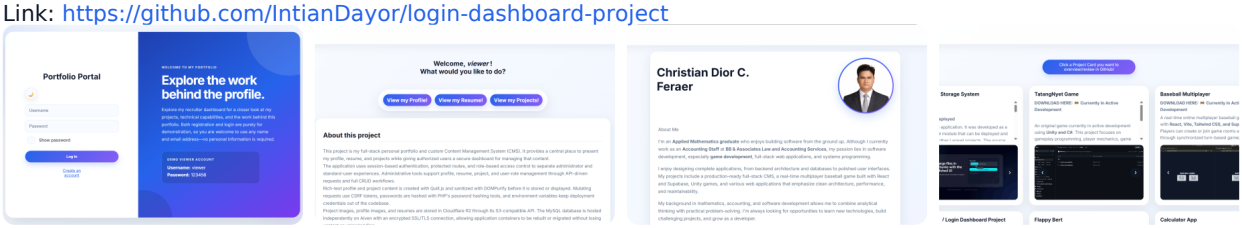
ONLINE DEMO: https://christiandiorferaer-portfoliohub.onrender.com/pages/login.html

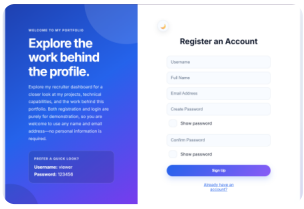
A production-ready **full-stack content management system (CMS)** designed as both a personal portfolio and recruiter hub. Features secure authentication, role-based administration, project management, resume uploads, and dynamic content editing. The application includes CSRF protection, XSS sanitization, cloud object storage

integration, Docker containerization, and a MySQL backend, showcasing real-world deployment and backend engineering practices.

Tech: PHP • MySQL • Docker • JavaScript • HTML • CSS • Cloudflare R2

Link: https://github.com/IntianDayor/login-dashboard-project





Flappy Bert

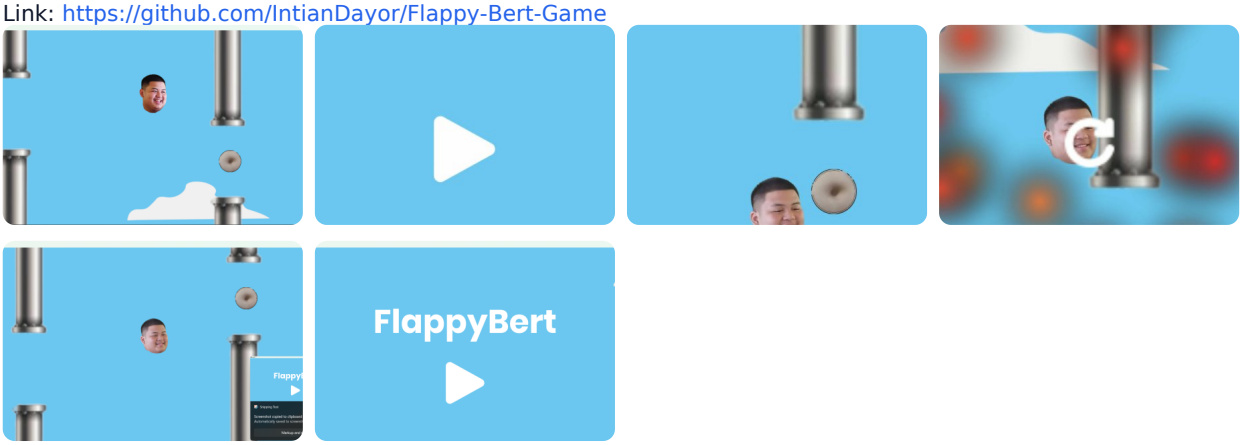
DOWNLOAD HERE:

https://drive.google.com/drive/folders/11LGlwQSwRewzyRquFZMtMoHb8gaXpw3b?usp=drive_link

A lighthearted meme game inspired by Flappy Bird, developed in **Unity** using C#. The game features a friend of mine as the playable character, created with his permission, and was built purely for fun as a personal project we both enjoyed. Despite its humorous theme, the project helped me strengthen my understanding of Unity development, physics-based movement, collision detection, scoring systems, and cross-platform deployment for both desktop and mobile.

Tech: Unity • C#

Link: https://github.com/IntianDayor/Flappy-Bert-Game



Calculator App

ONLINE DEMO: https://intiandayor.github.io/CalculatorApp/

A calculator application built to practice clean user interface design, mathematical operations, and event-driven programming. The project emphasizes writing maintainable code while providing a responsive and intuitive user experience.

Tech: HTML • CSS • JavaScript

Link: https://github.com/IntianDayor/CalculatorApp



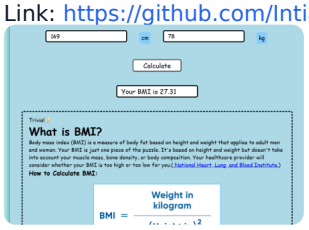
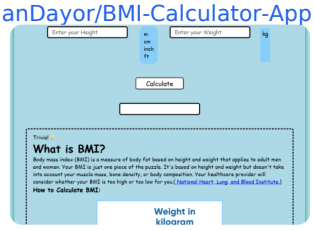

BMI Calculator

ONLINE DEMO: https://intiandayor.github.io/BMI-Calculator-App/

A web application that calculates Body Mass Index (BMI) from user input and provides health classifications based on standard BMI ranges. Built to reinforce DOM manipulation, form validation, and responsive web development fundamentals.

Tech: HTML • CSS • JavaScript

Link: https://github.com/IntianDayor/BMI-Calculator-App

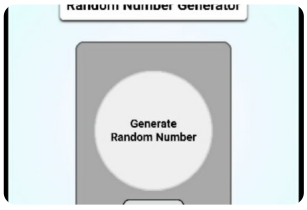
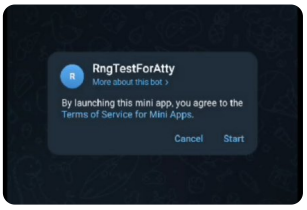

TelegramBotTest-BBLaw

ONLINE DEMO: *TELEGRAM:* @bosebose_bot

An experimental Telegram bot created to explore workflow automation and messaging integration for office processes. The project demonstrates API integration and serves as a foundation for automating repetitive administrative tasks in a professional environment.

Tech: JavaScript • Telegram Bot API

Link: https://github.com/IntianDayor/TelegramBotTest-BBLaw


Random Number Generator
Generate
Random Number

RngTestForAtty
More about this bot ›
By launching this mini app, you agree to the
Terms of Service for Mini Apps.
Cancel
Start
