

Diviyan Rajan

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Summary

Python and AI developer with a growing portfolio of projects involving AI-powered applications, intelligent web scraping, and chatbot integration. Proficient in building scalable solutions, integrating LLM-powered AI APIs, and developing data-driven applications. Strong foundation in programming, debugging, and creating efficient workflows. Passionate about leveraging AI to solve real-world problems.

Experience

Game Programmer Intern — Twilight Foundry Games

- Collaborated in a team setting to design and implement gameplay systems.
- Applied strong debugging skills to solve logic and system-level issues.
- Practiced clear documentation and version control with Git.
- Gained experience in iterative development and feature planning.

Skills

Languages: Python, C#, C, C++, MySQL

AI & Data Tools: Gradio, Jupyter Lab, Anaconda, Zero Shot Prompting, Multi Shot Prompting, RAG

LLMs: OpenAI, Ollama, Claude, Gemini

Web & Frameworks: HTML5, CSS3, JavaScript (ES6+), React.js, Vite

Version Control & Deployment: Git, GitHub, Vercel

Soft Skills: Problem Solving, Collaboration, Communication

Education

Asia Pacific University (APU) – Kuala Lumpur

BSc (Hons) in Computer Games Development

Projects

AI Web Scraper

August 2025

- Built an AI-powered intelligent web scraper to extract structured data from dynamic websites.
- Used BeautifulSoup and Requests for parsing and data extraction.
- Integrated OpenAI APIs to analyze and summarize extracted content automatically.

AI Chatbot with Integrated Web Scraper

August 2025

- Developed an AI chatbot interface using Gradio for a seamless user experience.
- Integrated the AI Web Scraper to allow the chatbot to fetch real-time data from websites.
- Implemented context-aware conversations powered by LLM APIs.
- Designed the system to handle query-based summaries, enhancing usability for research and automation tasks.

Movie Discovery App

July 2025

- Built a full-featured movie discovery app using React.js and TMDb API.
- Managed global state using React Context and Hooks for efficient data handling.
- Designed reusable UI components and optimized loading states.
- Deployed a responsive, mobile-friendly app on Vercel.

Grocery Shopping System *(Python, OOP, File Handling)*

October 2021

- Developed a Python-based console application to manage grocery shopping operations, including adding items, updating quantities, and processing customer purchases.
- Implemented object-oriented programming (OOP) principles for modular and maintainable code structure.
- Integrated file handling for storing and retrieving product data, enabling persistent shopping sessions.
- Designed a simple yet efficient menu-driven interface to enhance usability and streamline the shopping workflow.