

# Vasantraj Padmanaban

Front-End Developer | Proactive UI/UX, JavaScript, and Component Reusability

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## Professional Summary

Highly **proactive, self-motivated** Front-End Developer with a strong foundation in core web technologies and a proven ability to turn ideas into robust, usable software. I excel at **building functionality from scratch** and extending existing components, with an understanding of achieving **component reusability** and code control. Highly skilled in **JavaScript, HTML, CSS, and React**, with an academic background (MSc in Games Technology) that brings a focus on performance optimization and design-led solutions. Eager to take on the challenge of building, maintaining, and developing the critical internal UI and specialized event-driven reporting systems at DFYNE.

## Core Technical Stack & Expertise

Category	Skills
Core Frontend	<b>HTML, JavaScript (ES6+), JSON, DOM, CSS, Responsive Web Design, UI/UX Principles</b>
Frameworks & Libraries	<b>React</b> (Component-based architecture), <b>Bootstrap</b> (Conceptual/Project), <b>jQuery</b> (Exposure)
Tooling & Process	<b>Git</b> (Version Control), Modern Build Tools, Collaborative Development, <b>CI/CD, Docker</b>
Data & Backend	<b>API Integration</b> , Data Fetching, SQL, Python (Backend/Scripting), Google Charts (Exposure)

<b>Attitude</b>	<b>Proactive and Efficient, Calm Under Pressure</b> , Strong Communication and Organisational Skills
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## Technical Project Portfolio: Building Data & Event-Driven UIs

This portfolio demonstrates the ability to deliver robust, user-friendly interfaces and manage full-stack integration—critical for internal data management and reporting applications.

### 1. Frontend Prototyping: Netflix Model (Web Application Clone) | UI Strategy & Reusability

- **Component Reusability:** Developed a high-fidelity web clone using **React**, focusing on creating modular, reusable components for complex UI elements (menus, carousels, data cards) to ensure scalability and code control.
- **Responsive Design:** Utilized **CSS** and modern techniques to ensure the interface was fully responsive, delivering an optimal user experience across all device sizes.
- **API Integration:** Successfully integrated third-party APIs (TMDb) to fetch and render complex data, demonstrating the ability to handle large data structures for reporting/display (relevant to data management UIs).

### 2. Full Stack ML Product: Plant Disease Diagnosis Platform | API Integration & Data UI

- **End-to-End Delivery:** Built the user interface using **React** to present technical results in an accessible format, demonstrating expertise in delivering functional, end-to-end applications.
- **Specialized UI:** Developed the front-end to interact seamlessly with a custom **RESTful API (Python/Flask backend)** to submit data and display event-driven analytical results, relevant to specialized internal reporting UIs.
- **Proactive Development:** Managed the entire codebase using **Git** and utilized **Docker** for deployment, showing confidence in shipping code and maintaining system integrity.

### 3. High-Impact Data Presentation: COVID-19 Detection System | Design-Led Data Display

- **Data Visualization:** Developed the user-facing output using **JavaScript/React** to clearly present complex diagnostic results from an ML model, focusing on user experience for clinical or data review (similar to internal reporting needs).
- **Adaptability:** This project required rapid self-learning and application of new domain knowledge, demonstrating the **willingness and ability to learn** new technologies quickly (like Oracle, VBS, or jQuery).



## Education & Certifications

**MSc Computer Games Technology** Abertay University | Dundee, UK | Expected Graduation: 2025

- *Relevant Focus:* Strong emphasis on Software Architecture, **Performance Optimization**, and **Design-Led Development**.

**B.Tech Electrical and Computer Engineering** Amrita Vishwa Vidyapeetham | Coimbatore, India | Graduated: 2024

**Google Cloud Certified Associate Cloud Engineer**

**Focus:** Project-based delivery, adaptability, and high technical aptitude