Jegan R

Full-Stack Developer | Flutter & AI Engineer

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Professional Summary

Passionate and results-driven developer skilled in building scalable web and mobile applications. Adept at integrating Flutter, Django, and Supabase to deliver efficient solutions. Experienced in AI model deployment, responsive design, and real-time app development. Strong problem solver with a focus on creating impactful, user-friendly products.

Technical Skills

• Languages: Python, JavaScript, Dart, HTML, CSS

• Frameworks: Flutter, Django, Three.js, Riverpod, Tailwind CSS

• Databases: Supabase, Firebase, PostgreSQL, SQLite, Elixir + Phoenix

• Machine Learning: Scikit-learn, AdaBoost, Model Deployment

• Tools: REST APIs, Git/GitHub, UI/UX Design, MVC Architecture

Education

B.Tech in Computer Science and Business Systems

Sri Manakula Vinayagar Engineering College, Puducherry (2023 – 2027, Ongoing)

Achievements

• Participated in NASA Space Apps Challenge, collaborating on innovative solutions for space and Earth data problems.

• Developed multiple independent web and mobile projects demonstrating full-stack proficiency and teamwork.

Experience

Independent Developer | 2023 – Present

• Designed and developed cross-platform mobile and web applications integrating Flutter, Supabase, and Django.

• Built and deployed machine learning models for healthcare prediction systems.

• Collaborated with peers in hackathons and open-source projects to enhance product efficiency and scalability.

• Focused on performance optimization, API integration, and delivering smooth user experiences.

Project Experience

Plaro – Educational Social Media App

Flutter | Supabase | Riverpod | Elixir/Phoenix

• Developed a social platform for students and educators to connect, share notes, and collaborate.

• Implemented real-time chat, XP/level system, feed, and geolocation-based competition features.

• Focused on scalability and smooth user interaction across platforms.

Diabetes Prediction Web App

Django | AdaBoost | Scikit-learn

• Trained an ML model to predict diabetes using medical datasets.

• Integrated the trained model into a responsive Django web app for real-time predictions.

• Applied AdaBoost for improved accuracy and user experience.

Astrogators – 3D Space Visualization

Three.js | WebGL | JavaScript

• Developed a 3D space simulation visualizing planetary systems and orbits.

• Integrated GLTF models and camera controls for immersive navigation and learning.