JEFFRIN RIJO V C

Full Stack Developer | 3D Artist & Animator

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🔗 GitHub: **https://github.com/jeff3joo**   🔗 LinkedIn: **https://linkedin.com/in/jeff3joo**

🌐 Portfolio: **https://jeff3joo.netlify.app**

Full-stack developer transitioning into 3D animation and real-time design. I build responsive web apps, reusable UI systems, and 3D assets with clean topology and polished lighting. Experienced across modeling, shading, rendering, and animation in Blender. Currently expanding into VFX, physics simulations, and Unreal Engine. I blend developer discipline with design fundamentals to ship clean, production-ready work.

EXPERIENCE

VisAI Labs

Full Stack Intern (**Feb 2024 – Dec 2024**)

Full Stack Engineer Trainee (**Jan 2025 – Present**)

- Worked on **vMeasure-CodeScan**, a barcode scanning product using VMeasure Dimension, improving measurement accuracy and reliability.
- Developed **serial port communication** for stable device-to-system data exchange.
- Contributed to a high-performance **C++ SDK wrapper** for barcode detection via Scandit Barcode Reader, enabling efficient real-time capture from camera streams.
- Integrated multiple **barcode SDKs**, tested accuracy, and automated data validation flows.
- Built a **Chrome Extension** that triggers barcode actions by interacting with the device via vMeasure/Audit Forge.
- Designed a **configurable UI system**, allowing websites to define custom input fields for data capture.

Alhansat Solutions

Full Stack Developer Intern **Sep 2023 – Oct 2023 (45 days)**

- Co-developed a Flowchart Maker web tool with modular architecture.
- Built drawing features, module interaction, and export pipeline.
- Integrated independent UI modules into one seamless workflow.
- Received Letter of Recommendation for performance.

PROJECTS

3D Portfolio Website (React, MUI, Theme Engine) – 2025

- Built a fully responsive personal 3D portfolio website with **React + Material UI**.
- Integrated model viewer for showcasing **GLB, images, and video previews**.
- Smooth transitions, hover animations, and optimized mobile layout.
- Live demo: **https://jeff3joo.netlify.app/projects**

3D Art & Animation Projects (Blender)

Created stylized props, product animations, low-poly environments, and character animations. Worked across modeling, shading, lighting, rigging, rendering, and FX. Full project gallery available at:

https://jeff3joo.netlify.app/projects

Weather Web App (HTML, CSS, JS)

Displays real-time weather info using OpenWeatherMap API with clean UI and responsive layout.

Rock–Paper–Scissors Game (HTML, CSS, JS)

Interactive browser game using randomization logic, score tracking, and responsive animations.

SKILLS

Programming

- JavaScript
- React.js
- Node.js
- SQL
- C++
- Python
- Git
- Electron

3D & Design

- Modeling
- Shading
- Lighting
- Rendering
- Rigging & Animation
- Environment Building
- Product Animation

Tools

- Blender
- Figma
- Material UI
- Unreal Engine (learning phase)

EDUCATION

B.TECH (Artificial Intelligence & Data Science)

Velammal Institute of Technology (2020-2024)

8.47 CGPA

HSC

Maria Rafols Matriculation Higher Secondary School (2019-2020)

71%

SSLC

Maria Rafols Matriculation Higher Secondary School (2017-2018)

85.8%

CERTIFICATIONS

- Meta Front-End Developer Professional Certificate (Coursera)
- Build Your Own Dynamic Web Application (NXT Wave)
- Developer Foundations, Node JS, React JS (NXT Wave)
- Master Web Design in Photoshop: Complete UI/UX (Udemy)
- Google UX Design Professional Certificate (Coursera)
- Complete Blender Creator: 3D Modelling (Udemy)