MUHAMMAD YOUSUF KHATRI

3D & Creative Frontend Developer

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PROFESSIONAL SUMMARY

Creative Frontend Developer specializing in **Three.js, WebGL, GSAP, and React**. Passionate about engineering high-performance 3D visual viewports, interactive web graphics, and modern UI/UX architectures. Proven track record in translating complex requirements into smooth, interactive, and responsive web experiences for international remote projects and high-value digital applications.

CORE TECHNICAL COMPETENCIES

3D & Graphics: Three.js, WebGL, Shaders, Canvas 2D

Animation: GSAP (ScrollTrigger), CSS3 Animations

Data Visualization: Interactive 2D/3D Data Viewports

Frontend Tech: JavaScript (ES6+), TypeScript, React, HTML5

Styling & UI: Tailwind CSS, CSS Modules, Responsive UI/UX

Tools & Workflow: Git, GitHub, Vite, Webpack, npm/yarn

FEATURED INTERACTIVE PROJECTS

Interactive 3D Web Environment

Three.js / WebGL / GSAP

- Engineered real-time 3D web viewport featuring custom lighting, camera controls, and smooth mesh animations.
- Integrated GSAP ScrollTrigger for seamless cinematic camera transitions driven by user scroll interactions.
- Optimized geometry loading and rendering performance to maintain 60 FPS across desktop and mobile devices.

Modern Creative Frontend Portfolio App

React / Tailwind CSS / GSAP

- Built a modern, responsive web application with highly custom micro-interactions and smooth page transitions.
- Implemented modular React component structure with utility-first Tailwind CSS for maintainable codebase.

EXPERIENCE & TECHNICAL TRAINING

Frontend Developer (Freelance / Remote)

2023 – Present

Self-Employed

- Developing custom 3D interactive interfaces and modern landing pages for diverse client requirements.
- Translating Figma design prototypes into pixel-perfect, interactive code components using React and WebGL.

Web & Mobile App Development Training

Certification

S.M.I.T (Saylani Mass I.T Training)

- Completed intensive coursework in modern JavaScript, frontend frameworks, responsive layout design, and web architecture.

EDUCATION

Computer Science & Web Engineering Focus

Karachi, Pakistan