SUDHARSAN ARIVALAGAN

-SENIOR 3D ARTIST

AI SPECIALIST

SENIOR 3D ARTIST / Visionary Leader & Workflow Architect

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Highly experienced 3D Artist driving innovation by integrating AI-powered tools and automation into the Traditional 3D process for rapid, high-quality deliverables.

Managed high-impact 3D projects across diverse industries, delivering exceptional results combined with global client engagement.

PROFESSIONAL SUMMARY

I'm a **3D Artist** who combines traditional techniques in character creation, modeling, and animation using industry-standard tools like **Maya** and Blender with the speed and innovation of AI-powered solutions. By integrating advanced tools such as Leonardo AI, Stable Diffusion, Dream Machine, Open Sora, **Midjourney**, and LORA-trained models into my **workflow,** I enhance the creative process—boosting productivity, expanding visual possibilities, and bringing ideas to life more efficiently.

Drawing on over **5 years** of hands-on experience **managing** a **12-member** 3D artist team, I spearheaded a transformative project that delivered over **2500** high-fidelity 3D models for a preeminent **US-based** furniture powerhouse.

I architected scalable **3D ecommerce pipelines**, crafted innovative 2D configurations for a top **UK firm.**

Expert in technical innovation, 3D modeling, **Unreal Engine** real-time rendering, and advanced texture creation with Substance Painter/**Designer**, combined with strong project management and **global client** engagement.

I leverage cutting-edge **automation**—using tools like **Zapier**, **n8n**, and cloud integrations—to supercharge **project management** and pipeline creation for **rapid deliverables**.

Currently, I'm advancing **MCP** integration with **LLM models** into **3D** software ecosystems such as **Blender**, **Substance Painter**, and Unreal Engine, leveraging my basic skills in **Python**, JavaScript, and **Three.js** to further elevate the creative workflow.

This holistic approach—blending disruptive **AI integration**, next-generation 3D Visualization, and visionary project management—positions me as a game-changing specialist ready to redefine industry standards and deliver ground-breaking creative solutions.

WORK EXPERIENCE

Srushty Global Solutions

Senior 3D Artist | February 2024 – February 2025 | Chennai, Tamil Nadu, India

Managed 3D projects with a focus on on-time delivery

Collaborated directly with clients to meet expectations

3D Artist | May 2022 – January 2024 | Chennai, Tamil Nadu, India

Developed high-quality 3D models for various projects

Contributed to the creative process by implementing AI tools for enhanced efficiency

FREELANCE 3D ARTIST

3D ARTIST| Aug 2019 – April 2022 | Madurai, Tamil Nadu, India

Generated good revenue through 3D visualization services for architectural and product clients

Delivered 120+ commercial-grade 3D models for 10 different clients across over international

Altruist Technologies Pvt. Ltd.

Customer Support Executive | February 2019 – Aug 2019| Chennai, Tamil Nadu,

Delivered exceptional customer service in a high-paced environment

Managed client queries and ensured customer satisfaction

Toshiba

Intern (R&D) | January 2018 – June 2018 | Chennai, Tamil Nadu, India

Assisted in research and development activities

Collaborated with the engineering team on project execution

AWARDS & RECOGNITIONS

Innovative Award for South Indian Level ATV Vehicle Design and Fabrication.

Team Leadership Award for exceptional leadership in project management.

Project Taker Award for successfully leading and delivering complex, high-impact projects under challenging conditions.

Revenue Generating Award for contributing to significant revenue growth.

KEY PROJECTS

1. 3D Furniture Modeling Project for USA-based Furniture Company (RH)

Contributed to a project that generated approximately $500,000 in revenue for my company by delivering around 2,500 3D and 2D furniture models

Led a team of 12 3D artists to ensure high-quality outputs and timely delivery

Managed project timelines, deliverables, and client expectations across PST and GMT time zones

Facilitated regular client interactions for feedback and alignment, ensuring project goals were consistently met

2. 3D Character Creation and Animation for Israel-based Company (Yoom)

Delivered 500+ character models using Character Creator

Produced 1,000+ hours of MetaHuman animations

Collaborated with cross-functional teams to optimize pipelines and solve animation challenges

Managed milestones, ensuring timely delivery while maintaining quality standards

Maintained regular client communication across IST and Israel time zones

3. 3D eCommerce Model Project for UK-based Customeeshop

Developed 100 eCommerce models integrated with a 2D configurator featuring multiple customization options

Handled end-to-end project management, pipeline creation, and documentation

Delivered the project on time, ensuring high quality and client satisfaction across UK and IST time zones

4. 3D Printing Model Project for UK-based Company (Adaptivity Pro)

Delivered STL-compatible, high-quality 3D printable models optimized for manufacturing

Managed design, model optimization, and final delivery within strict deadlines

Collaborated with cross-functional teams, ensuring seamless integration into the client's 3D printing workflow

5. AI Integrated Additional Projects

Texture Creation: Developed realistic wood, fabric, and leather textures using Substance Painter and Designer

Delivered high-quality images for eCommerce and architectural visualizations

Healthcare AR/VR Simulation: Built immersive hospital training simulations using Unreal Engine and Unity

Delivered optimized GLB models for real-time viewing

3D Visualization and Rendering: Produced real-time interior and exterior renders in Unreal Engine

Integrated AI tools for faster and efficient texture generation

Developed interactive 3D environments with enhanced realism using AI tools

6. Automation for Multilingual Transcription (India) Project

Developed an automated workflow using Power Automate, Zapier, and cloud integrations and OpenAI

Transcribed Indian multilingual content into a single language using a GPT model

Automated end-to-end processing, reducing manual effort for 1-hour scenes

TOOLS & SOFTWARE EXPERTISE

Over the past 5 years, I have explored and honed my skills across a diverse range of tools and software, including:

3D Modeling & Asset Creation

Blender, 3DS Max,Maya: Creating detailed models and environmental assets; implementing MCP integration with Blender using Python for enhanced asset development

Advanced Geometry Nodes (Blender): Crafting quick animation and motion designs

AI & Generative Tools

3D AI Model Generation: Trillo, Meshy AI, Hunyan AI - Leveraged for creating innovative 3D character models and assets

Image Generation & Texture Creation: Leonardo AI, Stable Diffusion, LumaLabs, Midjourney - Utilized to drive image-based generative workflows, enhancing texture creation and visual asset development

Texture & Image Processing

Substance Painter, Substance Designer: Developing detailed, custom textures from scratch

Photoshop (with Adobe Firefly): Assisting in texture creation and image refinement

Animation & Rendering

Unreal Engine: Powers real-time rendering and dynamic product and character animations, delivering immersive visual experiences

Character Creation: Uses Character Creator CC4 for streamlined 3D character generation, enhanced by AI tools like Hunyan AI, Trillo, and Meshy AI to create characters from images

Animation Tools: Rokoko, Move AI and Facial Mocap for fluid animations and realistic facial expressions

Game Development & AR/VR

Unity Engine: Developing 2D games and AR/VR visualizations

Snapchat Lens: Creating quick AR model displays in real-time environments

Programming & Scripting

Python, JavaScript, Three.js: Leveraging basic coding skills for integration, interactive development, and automation
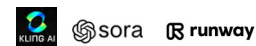
Automation & Project Management

n8n, Zapier: Driving project automation and streamlining pipeline creation

Azure, Notion: Enhancing project management and collaboration for rapid deliverables

Video & Simulation AI:

Open Sora Runway ML Kling AI– Exploring AI-driven video generation and simulation for next-gen creative applications.

LORA AI Model Training & Customization:

Flux Gy, Pinocchio: Simplifying local LoRA model training with user-friendly interface and one-click setup.

ComfyUI, Flux Stev: Enabling customized AI generation using trigger words and lightweight LoRA files.

KEY STRENGTHS & ACHIEVEMENTS

3D Modeling & Visual Rendering: Expert in crafting high-fidelity 3D models and visuals using industry-leading software, with real-time rendering and animation in Unreal Engine

Innovative AI-Driven Workflow: Integrated AI generative tools into creative processes, streamlining production and elevating visual quality

Advanced Texture Creation: Mastery in Substance Painter and **Designer** for developing detailed, custom textures from scratch that enhance every project

Project Management & Pipeline Creation: Managed end-to-end project pipelines, including QA documentation, task assignments, milestone tracking, and deliverable management

Team Leadership: Successfully managed a **12-member team**, including Gen Z professionals, fostering a friendly and collaborative work environment while ensuring efficient project delivery

High-Volume Project Execution: **Delivered over 2500 3D** model deliverables, 500 head character creator (Reallusion) models in a month, along with **1000 hours** of **Unreal** Engine Metahuman animation, demonstrating exceptional scalability and efficiency

Global Client Engagement: Engaged in professional weekly client interactions across key international time zones **(including PST, GMT, and IST)**, expertly managing project reports, handling escalations, and ensuring timely deliverables

Business Development: Spearheaded new project acquisitions and generated over $500,000 in revenue, showcasing a unique blend of technical expertise and strategic business acumen

Documentation & **Quality Assurance**: Developed comprehensive project documentation for quality assurance, providing clear guidelines for teams and ensuring consistent deliverables

AI Integration, Automation, and Innovation: Working as a 3D AI Generalist, **integrating AI**-driven solutions into 3D visualization projects. Experienced in utilizing LLM models, AI agents, and automation tools like Power Automate and Zapier for efficient project management, streamlining workflows, and ensuring timely deliverables

Content & Thought Leadership: Authored insightful blogs on 3D visuals, AI integration, and automation trends, contributing to industry knowledge and innovation

PROFESSIONAL DEVELOPMENT

ISO Documentation Training

Unreal Engine and Adobe Suite Training

3D Modeling Online Programs

AI and LLM Model Development

Automation Tools (Power Automate, Zapier)

LANGUAGES

English: Professional proficiency

Tamil: Native proficiency

Experienced in effectively communicating and collaborating with US and UK client teams

PROFESSIONAL DEVELOPMENT

Regularly publish blogs on 3D visualization techniques, AI development, and AI-driven processes in 3D visualization

Share insights and industry updates on LinkedIn through professional posts and articles

REFERENCES

Marx: Vice President, Srushty Global Solutions

Kishore: Assistant General Manager & 3D Visualization Mentor

Manoj Kumar: Assistant General Manager & 3D Visualization Mentor

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EDUCATION

B.E. Mechanical Engineering: Loyola Institute of Technology (2014 – 2018

Higher Secondary: Alagappa Matriculation School, Karaikudi