

UJJWAL MAN MASKEY

CREATIVE TECHNOLOGIST & SPATIAL VISUAL SYSTEMS SPECIALIST

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PROFESSIONAL PROFILE

Creative Technologist with 18 years of experience across projection mapping, immersive installations, 3D visualization, photogrammetry, 3D reconstruction, and live event production. Experienced in taking technically demanding projects from site survey and previsualization through content creation, multi-projector calibration, spatial documentation, and live deployment, with additional heritage documentation and 3D model processing work through the Endangered Wooden Architecture Programme (EWAP).

CORE EXPERTISE

PROJECTION & SPATIAL SYSTEMS

Projection mapping | Multi-projector calibration | Edge blending | Spatial content design | Resolume Arena | Live technical direction

3D & PREVISUALIZATION

3ds Max | V-Ray | Event previsualization | Architectural visualization | Product visualization | 3D animation

PHOTOGRAMMETRY & 3D RECONSTRUCTION

RealityCapture | Terrestrial & aerial data processing | Point clouds | Mesh reconstruction | Texture baking | Digital heritage documentation

LIVE PRODUCTION

Show programming | On-site troubleshooting | Live playback | Technical coordination | Live event execution

PROFESSIONAL EXPERIENCE

Creative Technologist & Spatial Visual Systems Specialist

2019 – Present

EMAZING Pvt. Ltd. | Lalitpur, Nepal

- Lead projection mapping and immersive visual projects from site survey, 3D previsualization and content production through calibration and live playout.
- Execute large-scale facade mapping, multi-surface immersive installations, anamorphic launch content, product mapping and live-performer projection.
- Develop spatial visual systems that connect 3D content, projection geometry and physical environments.
- Coordinate visual, technical and on-site production requirements across complex live events.

Lead Creative & Content Supervisor

2017 – 2019

EMAZING Pvt. Ltd. | Kathmandu, Nepal

- Directed master event graphics, motion systems and stage content for national awards, corporate launches, government ceremonies and investment summits.
- Owned the end-to-end visual content pipeline from concept and 3D/motion design to final show-ready playback assets.

3D Visualization & Motion Graphics Designer

2008 – 2016

Espace Studio | Kathmandu, Nepal

- Built a foundation in 3D product animation, TVC production and architectural visualization before expanding into motion design and live-event content.
- Helped pioneer large-scale projection mapping in Nepal, with early projects including architectural projection work from 2012 onward.

SELECTED FLAGSHIP PROJECTS

Representative work across projection mapping, immersive systems, anamorphic content, 3D product animation and heritage documentation.

K-CULTURE IMMERSIVE DIGITAL GALLERY

EMBASSY OF THE REPUBLIC OF KOREA | 2024

Immersive multi-surface installation across three walls and the floor using an 8-projector system synced across two playout systems over OSC.

ROLE: Technical Requirements, Setup & Projection Lead

WORLD REFUGEE DAY – GADDI BAITHAK

UNHCR | 2019

Large-scale heritage facade projection using 5× NEC PA903X projectors with edge blending and architectural alignment.

ROLE: Graphics, Animation & Full Technical Setup

PRIME TILES – DRESS MAPPING

PRIME TILES | 2023

3D projection mapping onto a live dancer's moving dress, integrating mapped visuals with the performance.

ROLE: Visual & Projection Lead

8848 VODKA – 360° BOTTLE MAPPING

YETI DISTILLERY | 2022

Full 360° projection mapping on an 8-foot bottle replica with synchronized lift reveal.

ROLE: Visual & Projection Lead

F1SOFT BANKERS' MEET 2025

F1SOFT INTERNATIONAL | 2025

Projection mapping across a 70 ft × 14 ft neoclassical stage structure, delivered within a single-night installation schedule.

ROLE: Visual & Projection Lead

DHARAHARA PROJECTION MAPPING

GOVERNMENT OF NEPAL / USAID / NGO PARTNERS | 2021–2024

Large-scale projection campaigns on Nepal's national landmark for public-awareness initiatives, across partners including USAID, Rotary International D3292, Epilepsy Foundation Nepal and the National Neuro Center.

ROLE: Visual & Projection Lead

DEEPAL S05 ANAMORPHIC LAUNCH

DEEPAL NEPAL | 2025

Perspective-controlled anamorphic vehicle launch sequence built around a fixed audience viewpoint, including curved-screen anamorphic test rendering.

ROLE: Anamorphic Visual Design & On-Site Technical Execution

NEO CGI PRODUCT ANIMATION

NEO | 2022

3D product animation films for four NEO appliances (Hob, Copper+, RO, Ace), from 3D scene through rendering and compositing.

ROLE: 3D Product Animation, Rendering & Compositing

NSJF PULSAR SPORTS AWARD

NEPAL SPORTS JOURNALISTS FEDERATION | 9 EDITIONS

Master design, animation and stage/LED graphics for 9 editions of the national sports journalism awards.

ROLE: Master Design, Animation & Stage Graphics

EWAP – HERITAGE PHOTOGRAMMETRY & 3D DOCUMENTATION

ENDANGERED WOODEN ARCHITECTURE PROGRAMME | NEPAL | 2023–2026

Photogrammetry data processing and 3D model output from field-team image sets for Gatlang, Indreshwor Temple and the Batule Ghar Round Houses of the Mid-Hills of Nepal; records catalogued in the EWAP Arches database.

ROLE: Photogrammetry Data Processing & 3D Model Output

BUDDHA STATUE 3D SCAN

2025

Structured-light 3D scan (Revopoint) of a 1.5-foot Buddha statue, scanned and processed; the model is published on Sketchfab.

ROLE: 3D Scanning & Model Processing

FONEPAY QR EXPLAINER

FONEPAY | 2023

Motion-graphics explainer video from client brief and script through final voiceover-synced delivery, covering Fonepay's QR payment methods.

ROLE: Motion Graphics & Animation, Brief to Final Delivery

TECHNICAL TOOLKIT

PROJECTION / LIVE

Resolume Arena | Multi-projector calibration | Edge blending | Live playout | Show programming

3D / MOTION

Autodesk 3ds Max | V-Ray | Adobe After Effects | Photoshop | Illustrator | Premiere

PHOTOGRAMMETRY / HERITAGE

RealityCapture | Terrestrial & aerial data processing | Point clouds | Mesh reconstruction | Texture baking | Arches documentation | 3D scanning (Revopoint)

EMERGING WORKFLOW

ComfyUI | AI-assisted image/video workflows | Visual prototyping

WORKED ON PROJECTS FOR

UNICEF | UNHCR | USAID | TikTok | F1Soft International | Yamaha | Ncell | Government of Nepal | Nepal Telecom | Deepal Nepal

SPECIALIST TRAINING

EWAP 2025 Photogrammetry Workshop – CyArk (January 2025, virtual)

CyArk – International Digital Heritage Preservation Organization

Field capture and site scoping, RealityCapture alignment and control points, mesh generation and cleaning, texturing, and outputs including orthographic images and Sketchfab. All course lessons completed.

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