

Pratham Soni

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Professional Summary

Creative and passionate 2nd-year B.Tech student specializing in AI & ML with a unique blend of technical prowess and artistic vision. A versatile developer, designer, and editor with proven expertise in JavaScript, the Adobe Creative Suite, Blender, and AR development.

Dedicated to transforming complex ideas into immersive 3D models and engaging, interactive AR experiences. Committed to pushing the boundaries of creative technology by combining cutting-edge AI/ML techniques with innovative design principles. Strong track record of delivering high-quality projects that seamlessly merge functionality with aesthetic excellence, while continuously exploring emerging technologies in augmented reality, computer graphics, and interactive media.

Education

B.Tech - Computer Science & Engineering (AI & ML)

2024 – 2028

UKA Tarsadia University, Bardoli

Key Courses & Learning Areas:

- Data Structures and Algorithms - Advanced problem-solving and optimization techniques
- Web Development - Full-stack development with modern frameworks and responsive design
- Computer Graphics - 3D rendering pipelines, shader programming, and visualization techniques

- Artificial Intelligence - Machine learning algorithms, neural networks, and intelligent systems
- Database Management Systems - SQL and NoSQL database design and optimization
- Object-Oriented Programming - Software design patterns and architecture

Higher Secondary Education

2020 – 2024

Sanskar Bharti Vidhyalaya, Surat, Gujarat

Stream: Physics, Chemistry, Mathematics

Built a strong foundation in scientific principles, analytical thinking, and mathematical modeling that directly supports current work in AI/ML and computer graphics.

<> Professional Skills

AR / 3D Development

Lens Studio Blender 3D Modeling

Animation UV Mapping Texturing

Expertise in creating immersive augmented reality experiences and high-quality 3D assets. Proficient in the complete 3D pipeline from concept to final render, including modeling, rigging, animation, and optimization for real-time applications.

Design & Video Production

Photoshop Illustrator After Effects

Premiere Pro VFX Motion Tracking

Comprehensive knowledge of Adobe Creative Suite with advanced skills in visual effects, motion graphics, and video editing. Capable of producing professional-grade content from initial concept through final delivery.

<> Technical Skills

JavaScript Python Data Structures

Algorithms Web Development AI/ML

expertise in JavaScript and Python. Solid understanding of data structures, algorithms, and software engineering principles. Experience with modern web technologies and AI/ML frameworks.

Soft Skills & Competencies

Teamwork Creativity

Problem-Solving Communication

Time Management Leadership

Excellent collaborative skills with proven ability to work in diverse team environments. Strong creative thinking and innovative problem-solving abilities. Effective communicator with experience presenting technical concepts to various audiences.

Featured Projects

AR Game in Lens Studio

April 2025

- Developed an immersive AR game from concept to completion using Lens Studio
- Implemented complex game logic and mechanics using JavaScript for seamless AR interactions
- Focused on creating a fun, interactive, and engaging user experience by scripting game logic and AR functionalities
- Optimized performance for mobile devices ensuring smooth 60fps gameplay
- Integrated maths to improve concentration for enhanced immersion, touch controls, physics simulations.

Lens Studio

Augmented Reality

Game Development

JavaScript

Low-Poly 3D Car Model

June 2025

- Designed, modeled, and animated a low-poly 3D car model in Blender with attention to detail
- Optimized geometry and texturing specifically for high-performance, real-time rendering in game engines
- Created efficient UV maps and PBR materials for realistic appearance
- Developed custom rigging system for realistic suspension and wheel animations
- Reduced polygon count by 40% while maintaining visual quality through strategic modeling techniques

3D Modeling

Blender

Animation

Game-Ready Assets

VFX Showreel

April 2022

- Produced and edited a comprehensive compilation of visual effects projects demonstrating proficiency in motion tracking, dynamic simulations, and digital compositing
- Showcased skills in integrating 3D elements (from Blender) with live-action footage (using After Effects)
- Implemented advanced techniques including Rigging, animation simulations, and photo-realistic rendering.

- Created complex multi-layer compositions with proper color grading and visual effects integration
- Demonstrated mastery of keying, rotoscoping, and match-moving techniques

After Effects

Blender

VFX

Motion Tracking

3D Stall Design - "Business Fab" Exhibition

October 2023

- Created a detailed 3D visualization and architectural mockup of the "Rangkala" exhibition stall
- Focused on CAD rendering, spacious design, and brand representation
- Developed accurate floor plans and elevation drawings for construction reference
- Applied professional lighting techniques to showcase products and create inviting atmosphere
- Collaborated with stall manufacturer to ensure design met functional and aesthetic requirements

3D Modeling

Visualization

Blender

Architectural Design

Achievements & Awards



Code Fest Achievement

Sanskar Bharti Vishyalaya | 2021

Recognized for exceptional performance in coding competitions and hackathons. Demonstrated strong problem-solving abilities and technical proficiency in developing innovative solutions under time constraints.



Best Student Award

JHB Sardar School | 2019

Awarded for outstanding academic performance, exemplary conduct, and significant contributions to school activities. Recognized for leadership qualities and dedication to excellence in both curricular and extracurricular pursuits.
