

Deep Pradipbhai Shah

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EDUCATION

Master of Science in Computer Science

Dec '24

San Jose State University (SJSU), GPA: 3.97/4.0

Bachelor of Technology in Computer Science and Engineering

Jun '22

Indian Institute of Information Technology Vadodara, GPA: 8.27/10

WORK EXPERIENCE

AR/VR/XR Student Assistant – eCampus of San Jose State University, San Jose, CA

Jun '23 - Aug '24

- Spearheaded the integration of AI and XR technologies into eCampus applications, culminating in the development of a sophisticated learning platform tailored for enhanced educational experiences
- Collaborated with faculty members and numerous students, offering guidance and direction in the development of augmented reality/virtual reality projects
- **Tech Stack:** AR Foundations, WebGL, C#, AR.js, Three.js, WebAR, Swift, Xcode, RealityKit, Adobe Aero

Software Course Instructor – Computer Science Department, SJSU, San Jose, CA

Aug '23 - Aug '24

- Instructed CS 122 Advanced Programming and CS 151 Object Oriented Design at SJSU, developed course content

Software Development Engineer – SaaS Labs Pvt. Ltd., Noida, Uttar Pradesh, India

Jan '22 - Jun '22

- Partnered with JustCall product team as an *Intern* to create innovative AR and real-time media applications
- Implemented a prototype iOS application, integrating ARKit and Unity for seamless 3D graphics rendering
- **Tech Stack:** Node.js, GCP, WebSockets, C++, Redis, Core Animation, RealityKit, C#, Safari, Xcode

Full Stack Developer – AtoZ Softtech LLC, Remote

May '21 - Jul '21

- As an *Intern*, I lead the comprehensive technical advancement of the product UnQue, implementing an adaptive queuing system to boost customer engagement and business value
- **Tech Stack:** Swift, PHP, Twilio, AWS, RESTful Web Services, Three.js, WebGL, AR.js, Unity, ARFoundations

PROJECTS

Immersive Game: Roll-a-ball | Swift, SwiftUI, 3D Math, RealityKit, UIKit, Core Animation

Nov '23 - Dec '23

Created an augmented reality (AR) iOS game that engages users in an immersive environment, challenging them to skillfully roll a ball to knock down pins using physics ([link](#))

AR-ML Fusion: Visualizing Machine Learning Concepts | AR.js, AFrame, Three.js, SVM

Jul '23 - Nov '23

Designed a cross-platform Web-based AR Visualizer utilizing a Radial-kernel-trained Support Vector Machine (SVM) model to generate interactive 3D model to understand machine learning concepts ([link](#))

Animal Gallery iOS App | Swift, Objective-C, Core Animation, UIKit, Storyboard

Oct '23 - Nov '23

Engineered an iOS application called "Animal Gallery" using Swift, designed for user interaction and the organization of pet images ([link](#))

S.E.A.R: Smart Education with Augmented Reality | C#, Unity, Vuforia, ARKit

Aug '20 - Dec '20

Developed Android & iOS apps for Design Project showing 3D models for Education with AR, enabling user interaction through motion detection and touch controls to elevate experience and mitigate learning hurdles ([link](#))

SKILLS

Programming: C#, Objective-C, C++, Swift, Python, PHP, Java, JavaScript, SQL
AR/VR Technologies: ARFoundations, WebGL, ARCore, ARKit, RealityKit, AR.js, 3D Graphics, Three.js
Tools: Unity, Linux, Xcode, Safari, Adobe Aero, Core Animation, SwiftUI, GitHub, Blender

ONLINE COURSES (COURSERA)

- Handheld AR App Development by Unity ([link](#)) Dec '20
- Introduction to XR: VR, AR, and MR Foundations by Unity ([link](#)) Oct '20
- Introduction to C# Programming and Unity by University of Colorado ([link](#)) Sep '20