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

- Courses: Communication Systems, Graph Theory, Artificial Intelligence, Database Systems, Parallel Processing
- Scholarship: Computer Science Scholarship Recipient for outstanding academic achievement '23

Bachelor of Technology in Computer Science and Engineering

Jun '22

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

SKILLS

Programming: Python, PHP, Java, C#, C, C++, JavaScript, Swift, SQL

Cloud & Databases: AWS, Google Cloud, MySQL, PostgreSQL, MongoDB, Firebase, Microservices, Redis Web: Node.js, jQuery, Express.js, BASH, Flask, GitHub, HTML, CSS, React.js, REST API Microsoft Office Suite, Jira, Linux, Docker, CI/CD Jenkins, Postman, Agile Methodologies

Work Experience

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

Aug '23 - Aug '24

- Designed course contents as an instructor, guiding Undergraduate students through challenging technical material and fostering a positive learning environment
- Teaching courses CS 122 Advanced Programming with Python and CS 151 Object-Oriented Design using Java at SJSU, creating lecture slides, coding exercises, and project assignments
- Tech Stack: Python, Java, UML, Pandas, Flask, Object-Oriented Programming (OOP), GUI Programming

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
- Developed web-based AR application to illustrate intricate Machine Learning principles to students
- Tech Stack: ARFoundations, WebGL, Unreal, C#, C++, ARCore, ARKit, RealityKit, AR.js, Three.js, WebXR

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

Jan '22 - Jun '22

- Collaborated with JustCall product team as an *Intern* to develop Agent Assist, a feature that listens to live support calls and delivers real-time suggestions to agents, leading to a 20% reduction in average call handling time
- Elevated call transcription efficiency by 30% and integrated emotion recognition machine learning model
- Tech Stack: Android, iOS, GCP, WebSockets, Java, Swift, Redis, MongoDB, Microservices

Full Stack Developer - AtoZ Softtech LLC, Remote

May '21 - Jul '21

- ullet Led technical advancement of the product UnQue as an Intern, enhancing its functionality and performance
- Devised a tailored SEO strategy, increasing website traffic by 25% and achieving over 300 Google page indexes
- Tech Stack: PHP, ¡Query, Twilio, Google Maps API, AWS, RESTful Web Services, BitBucket, MySQL

PROJECTS

Trip Genie: Book Travel Packages | Android, Java, REST APIs, NoSQL, Kotlin

Mar '24 - May '24

Crafted **Android app** facilitating travel package bookings, integrated with Google Maps API for location details retrieval, and communicating seamlessly through APIs with MongoDB Atlas as the backend database (<u>link</u>)

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 (\underline{link})

S.E.A.R (Smart Education with Augmented Reality) | C++, C#, Unity, Vuforia, Blender Aug '20 - Dec '20 Developed Android & iOS apps for Design Project showing 3D models for Education with AR, enabling user interaction via motion detection and touch controls to elevate experience and mitigate hurdles in learning (link)