

# Deep Pradipbhai Shah

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## EDUCATION

### Master of Science in Computer Science

Dec '24

San Jose State University, 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
- **Extracurriculars:** Volunteered at Accessible Education Center for Fall '22 semester, Member of CS Club

### Bachelor of Technology in Computer Science and Engineering

Jun '22

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

## SKILLS

<b>Programming:</b>	Python, PHP, Java, C#, C, C++, JavaScript, SQL
<b>Cloud &amp; Databases:</b>	AWS, Google Cloud, MySQL, PostgreSQL, SQLite, MongoDB, Firebase, Hadoop, Redis
<b>Web:</b>	Node.js, <b>CodeIgniter</b> , <b>Laravel</b> , BASH, Git, HTML, CSS, React.js, REST API, WordPress
<b>Tools:</b>	Microsoft Office Suite, Jira, Linux, Docker, CI/CD Jenkins, Postman, Agile Methodologies

## WORK EXPERIENCE

### Software Course Instructor – CS Dept., San Jose State University, 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, creating lecture slides, coding exercises, and project assignments
- **Tech Stack:** Python, Java, UML, Pandas, Flask, Object-Oriented Programming (OOP), GUI Programming

### Student Assistant – eCampus, 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, C#, WordPress, Three.js, WebXR

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

Jan '22 - Jun '22

- Partnered 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:** WebSockets, **PHP**, Python, WordPress, Redis, MongoDB, **Laravel**, MVC Frameworks, BitBucket

### Full Stack Developer – AtoZ Softtech LLC, Remote

May '21 - Jul '21

- 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**, jQuery, Twilio, Google Maps API, AWS, RESTful Web Services, MySQL, **CodeIgniter**

## PROJECTS

### 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](#))

### Distributed Cloud Database Application | AWS, Amazon EC2, MongoDB Sharding, Python Sep '22 - Dec '22

Strategized cloud deployment of distributed database for NoSQL Course by creating a three-shard replica set and built an app for viewing and modifying data leading to 15% decrease in data retrieval time ([link](#))

### Insurance Management System | PHP, MySQL, HTML5, CSS3

Mar '20 - May '20

Developed web application for an insurance company's database management system with user login and permissions in user interface ([link](#))