

Deep Pradipbhai Shah

☎ (669) 292-6916 | ✉ shahdeep9191@gmail.com | [in shah--deep](#) | [🔊 shah-deep](#)

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

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, SQL
Cloud & Databases:	AWS, Google Cloud, MySQL, PostgreSQL, MongoDB, Firebase, Redis, Hadoop
Web:	Beautiful Soup, BASH, Flask, GitHub, Web Scraping, Selenium, React.js, Django
Tools:	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
- Taught courses CS 122 **Advanced Programming with Python** and CS 151 Object-Oriented Design, created lecture slides, coding exercises, and project assignments
- **Tech Stack:** Python, Java, UML, OOP, REST APIs, Django, Tkinter, **Pandas, Flask, Web Scraping**

AR/VR 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
- Developed web-based AR application to illustrate intricate **Machine Learning** principles to students
- **Tech Stack:** ARFoundations, WebGL, Unreal, C#, **ML**, 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 calls and delivers real-time **AI driven 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:** Node.js, GCP, Python, **Pandas, NumPy**, Redis, MongoDB, MVC Frameworks, Docker

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:** HTML, CSS, JavaScript, jQuery, Twilio, AWS, RESTful Web Services, BitBucket, MySQL

PROJECTS

FinBot | LLM, AI, LangChain, LangGraph, GenAI, Python, FastAPI, Flask, Dash, WebSockets

Nov '24 - Dec '24

Implemented a financial analysis agent using a multi-agent system, reducing analysis time by 30% and enhancing accuracy in identifying profitable investment opportunities ([link](#))

StockSense AI: Performance & Sentiment | AI, Python, LLM, Generative AI

Oct '24 - Nov '24

Developed a stock analysis tool that visualizes stock performance with yfinance and uses Cohere's generative AI with NewsApiClient to conduct sentiment analysis on recent news, providing enhanced market insights ([link](#))

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

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, 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](#))