Deep Pradipbhai Shah

📞 (669) 292-6916 | ✉ shahdeep9191@gmail.com | 🔗 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#, 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:** Python, jQuery, Twilio, NumPy, AWS, RESTful Web Services, BitBucket, MySQL

PROJECTS

FinBot | *LLM, **AI**, LangChain, LangGraph, **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 | *GenAI, **AI**, **Python**, LLM, yfinance* 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)

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)

Online Voting System | ***Python, Pandas**, Tkinter, Computer Networking, TCP/IP* Sep '20 - Nov '20

Created application for online election voting, in which connection is made with socket programming and used client-server protocol with multi-threading and synchronization for high efficiency (link)