Lisa Patel

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EDUCATION

Master of Science | California State University, Los Angeles   **Jan 2022 - Expected Dec 2023**
Computer Science   GPA: 3.8

Bachelor of Engineering | Gujarat Technological University   **Aug 2016 - Aug 2020**
Computer Engineering   GPA: 3.4

WORK EXPERIENCE

Student Assistant | *Mathematics, Engineering, Science Achievement (MESA) program*   **Jun 2023 - Jul 2023**

- Organized and led STEM outreach event for 50+ female students, promoting STEM education and empowerment
- Collaborated with 20+ industry speakers to provide real-world insights
- Guided and motivated peers, played a pivotal role in fostering and empowering a student support network
- Utilized a data-driven approach, inspiring the next generation of STEM innovators

Student Assistant | *California State University,* Los Angeles   **Aug 2022 - Aug 2023**

- Offered support to Dept.Coord/Chair, facilitating initial contact with students, faculty, and University Community
- Utilized Microsoft Applications to ensure efficient and streamlined workflow management

Software Development Intern | *A J Group of Company,* Vadodara   **Apr 2020 - Feb 2021**

- Collaborated with a cross-functional team to design and implement innovative Python/Django features for flagship projects
- Led comprehensive code reviews, resulting in an impressive 25% performance enhancement
- Managed databases and streamlined data pipelines ensuring smooth analysis and reporting
- Expertly integrated RESTful APIs, boosting application capabilities and enhancing user experience

TECHNICAL SKILLS

Languages: Python, C++, Java, Javascript, SQL, CSS, HTML5

Technologies, Frameworks, Tools: Django, Flask, Docker, Kubernetes, ECS, MongoDB, Git, GitHub, Bitbucket, JIRA, AWS Cloud Services, Agile, Scrum, REST APIs, TensorFlow

CERTIFICATIONS

AWS Solution Architect *Link*

AWS Cloud Practitioner Essentials *Link*

PROJECTS

Walmart Sales Forcast *Link*   **Jan 23 - May 23**

- Created Walmart sales prediction using Scikit-Learn, NumPy, Pandas, Matplotlib, Pickle, XGBoost, and Seaborn
- Analyzed historical data to identify influences like holidays, temperature, unemployment, and fuel prices on weekly sales
- Enhanced prediction precision through 10 comprehensive factor analysis, aiding informed store management decisions

Find My Blood (Web Application) *Link*   **Aug 22 - Dec 22**

- Built a web app for efficient blood donor discovery and precise proximity matching, optimizing potential life-saving processes
- Harmonized seamless collaboration between front and back using Django, HTML, CSS, and JavaScript
- Expertly leveraged the capabilities of Firebase to ensure real-time database functionality and dynamic data synchronization.
- Improved user experience, reducing donor search time from 60 to 2 minutes via TensorFlow and location-based matching

Hand Gesture Environment *Link*   **Aug 22 - Dec 22**

- Created an innovative Raspberry Pi-MediaPipe system for real-time 3D hand gesture control in a dynamic virtual setting
- Established UDP link between Raspberry Pi and laptop, enabling precise transmission of hand gesture data to the virtual world
- Utilized MediaPipe's deep learning for precise hand gesture recognition, enhancing 98% system accuracy
- Mapped 12 gestures to intuitive actions in the virtual environment, enabled immersive 3D hand entity interaction

VOLUNTEER EXPERIENCE

TechVanguard: Empowering Tomorrow's Innovators

- Conducted 4 technology awareness camps, providing valuable insights into advanced technologies and practical applications
- Empowered diverse participants by sharing knowledge and fostering an understanding of cutting-edge trends