

# Zahra M Shergadwala

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## EDUCATION

<b>UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles, CA</b>	Fall 2024 - Present
Masters of Science - Computer Science	CGPA: 3.5/4.0
Coursework: Analysis of Algorithms, Information Retrieval and Web search engines, Foundations of AI, Research methods and Analysis of User studies.	
<b>MIT WORLD PEACE UNIVERSITY, Pune, India</b>	July 2019- June 2023
Bachelor of Technology - Computer Science and Engineering	CGPA: 9.42/10.0
Relevant Coursework: Machine Learning and Data Science, Operating systems, Database systems, Augmented reality and Virtual reality, User Interface and User Design, Software Engineering, Computer Organization and Architecture, Programming languages.	

## TECHNICAL SKILLS:

<b>Languages</b>	: Python, C/C++, SQL, HTML, CSS, Javascript, PostgreSQL, PHP
<b>Frameworks</b>	: Sklearn, PyTorch, TensorFlow, Node.js, Express.js, NLTK, Flask, Bootstrap, AngularJS, React
<b>Software and tools</b>	: Git, MySQL, MongoDB, Amazon AWS, Microsoft Azure
<b>Certifications</b>	: AWS Certified Cloud Practitioner

## WORK EXPERIENCE:

<b>Associate Developer, Medline Industries - Full-time</b> (AWS, Python, SQL, Vertex AI)	July 2023 - May 2024
<ul style="list-style-type: none"><li>Designed and developed a software module utilizing data from global hospitals and clinics to optimize Medline's supply chain and manufacturing capabilities.</li><li>Utilized AWS, Vertex AI, Python, database optimization, and Containers.</li><li>Collaborated with global Scrum teams to align with business goals and Agile best practices.</li><li>Led the design and development of ETL processes for efficient data flow.</li></ul>	
<b>Intern, Medline Industries</b> (AWS, Python, SQL, Vertex AI)	Apr 2023 - May 2023
<ul style="list-style-type: none"><li>Gained hands-on experience with AWS, Vertex AI, Python, and SQL.</li><li>Contributed to database optimization and containerized applications.</li><li>Learned company functionalities, supply chain processes, and business operations.</li></ul>	
<b>Intern, Volkswagen GTS</b> (AI, ML, Python, OCR)	Apr 2022 - June 2022
<ul style="list-style-type: none"><li>Deployed an Optical Character Recognition (OCR) project.</li><li>Designed and implemented an OCR-based system to recognize license plates from images.</li><li>Utilized image processing techniques, machine learning algorithms, and open-source OCR libraries.</li><li>Extracted and decoded license plate information with high accuracy.</li></ul>	
<b>Intern, 3M Car Care, Pune</b> (UI-UX, Web Development)	Dec 2021 - Mar 2022
<ul style="list-style-type: none"><li>Led UI/UX and web development initiatives for 3M Car Care's website.</li><li>Enhanced user engagement and optimized design aesthetics.</li><li>Collaborated with a cross-functional team to create a seamless and visually appealing online experience.</li></ul>	

## ACADEMIC PROJECTS:

<b>Real Time Yoga Pose Detection &amp; Feedback</b> (Mediapipe, ML frameworks, 3D Pose estimation Models)	Jan 2023 – June 2023
<ul style="list-style-type: none"><li>Developed a machine learning model for accurate yoga pose detection during the senior year.</li><li>Utilized MediaPipe for feature extraction and logistic regression for classification.</li><li>Designed an algorithm to detect and classify yoga poses based on extracted features.</li></ul>	
<b>Bike Safety Using Computer Vision</b> (Computer Vision, OCR, ML)	Jan 2022 - Mar 2022
<ul style="list-style-type: none"><li>Implemented object recognition and tracking algorithms to identify obstacles.</li><li>Developed a system to alert riders, enhancing biking safety.</li><li>Contributed to improving real-time obstacle detection and response mechanisms.</li></ul>	
<b>Home safety Application</b> (IOT, AWS)	Oct 2021 - Dec 2021
<ul style="list-style-type: none"><li>Created a home safety application with IoT integration to enhance home security and efficiency.</li><li>Demonstrated proficiency in IoT and software development.</li><li>Applied practical problem-solving skills to improve home safety solutions.</li></ul>	
<b>Anime Recommendation System</b> (Python, ML)	Jan 2021-Mar 2021
<ul style="list-style-type: none"><li>Developed an anime recommendation system utilizing machine learning.</li><li>Implemented content-based filtering and collaborative filtering for personalized suggestions.</li><li>Enhanced recommendation accuracy by leveraging user preferences and anime attributes.</li></ul>	

## ACHIEVEMENT AND ACTIVITIES:

<ul style="list-style-type: none"><li>Winner of hackathons like Algoholics and Aqua Robotics during sophomore and senior year of Engineering.</li><li>Served as an event organizer in College Innovation and Entrepreneurial summit, 'RIDE'.</li><li>Served as the President of the college sports committee during junior and senior year of undergraduate program.</li></ul>	
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