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Education	
Master of Science in Computer Science	Aug 2022 - Aug 2024
California State University	
Bachelor of Technology in Computer Engineering	Aug 2018 - Aug 2022
Vishwakarma Institute of Technology	
Experience	
Chico State Enterprise	May 2023 - Present
Research Assistant   OpenCV, MATLAB, Python, Image & Video Processing	
<ul style="list-style-type: none"> <li>Leading student team in Data Science and <b>Computer Vision</b> for Civil Engineering projects.</li> <li>Applied <b>SURF</b> (Structure from Motion) for detecting cracks and depression, and get volume and 3D graph</li> <li>Employed SURF for <b>3D surface reconstruction</b> and assessed surface damage and deterioration using <b>Computer Vision</b></li> <li>Provided <b>data-driven recommendations</b> to government agencies and cost estimation for infrastructure repairs</li> </ul>	
7Quebs	May 2023 – Aug 2023
Full Stack Software Developer   React, Jenkins, Spring boot, Java, API, Scrum.	
<ul style="list-style-type: none"> <li>Developed a React-based web app, <b>boosting user engagement by 30%</b> with responsive design</li> <li><b>Managed agile team of interns for 6 weeks working on front-end</b>, enhancing <b>project delivery speed by 20%</b></li> <li><b>Migration application</b> Angular to React, <b>managing, overviewing and resolving</b> issue for the front-end team</li> <li>Drove a <b>cross-department initiative to refine ChatGPT integration</b>, resulting in a <b>20% increase</b> in system performance</li> <li><b>Enhanced client engagement</b> by streamlining communication protocols, resulting in client satisfaction.</li> <li>Automated parts of the CI/CD pipeline, cutting down release cycles by one-third and enabling more frequent updates</li> </ul>	
Siddhi Innovations	Dec 2021 - July 2022
CEO   Project Management, Team Management, Vendor Management, Sales, Accounting, Scrum	
<ul style="list-style-type: none"> <li>Identified and secured deals to purchase a ready-mix concrete plant at a cost of \$30,000, showcasing <b>Negotiation Skills</b>.</li> <li><b>Relocated</b> RMC machinery to client sites, enhancing <b>operational efficiency</b> and customer satisfaction.</li> <li>Boosted monthly profits to <b>\$3,500</b> within a week, showcasing <b>effective business</b> and financial management.</li> <li>Achieved a <b>163% return</b> on investment by <b>selling the company for \$58,000</b> within six months.</li> </ul>	
Extentia Information Technology	Aug 2021 - Jan 2022
Front-End Developer   Angular, Drupal, SAP, TypeScript, HTML, CSS, JS	
<ul style="list-style-type: none"> <li>Designed a multi-tenant white label web application with a base of Angular on the shared database of <b>10 million users</b></li> <li><b>Collaborated</b> with a <b>team of 50</b> to modernize containers in Drupal, for multi lingual flexibility in the mobile application</li> <li>Coordinated with the clients via Quality assurance team for the white label application, to understand the industrial needs</li> <li>Creating roadmaps for developers to <b>increase Project Delivery by 20%</b> via proper Software Cycle</li> <li>Proactively created and documented tutorial and advising blocks of each step of the project stage for clients</li> </ul>	
Technical Skills	
<b>Languages:</b> C++, Python, Java, C#, SQL, R, Swift. <b>Database:</b> Oracle, Mysql, myphpadmin, GoogleCloud Network, Postgres AWS <b>Tools/Frameworks:</b> Angular, Docker, QlikView, Git, React JS, Android Studio, Flutter, Firebase, Django, Spring Boot, Drupal <b>Big Data Technologies:</b> Apache Spark, Distributed Computing, Snowflake, DB2, Hadoop <b>Development Tools and Environments:</b> IntelliJ, Maven/Gradle, Gitlab, Jira, Scrum <b>Web Technologies:</b> HTML, CSS, JavaScript, Typescript, Bootstrap, PHP, Rest API <b>Other:</b> OpenCV, Linux, Salesforce, ExpressJS, Figma, UIUX, MATLAB, Computer Vision	
Projects	
Found it   React, Spring boot MVC, SQL, Jenkins, GitHub and Google Cloud Platform	June 2024 - Present
<ul style="list-style-type: none"> <li>Developing <b>web app for CSU Chico</b> to help users find lost items to avoid liability and financial loss</li> <li>Implemented campus ID and email integration for <b>secure user verification</b> and avoid claiming of unowned items</li> <li>Collaborates with <b>university IT departments</b> for data security and compliance with campus policies</li> <li>Features real-time notifications, an interactive campus map for pinpointing item locations to connect lost items with reports</li> <li><b>Led a team</b> in <b>CI/CD pipeline</b> for project with <b>Jenkins, GitHub</b> and <b>GCP</b>, optimizing the software development process</li> </ul>	
Vision-Based Detection System for Urban Crosswalks   C++, Cuda, OpenCV, Nvidia Jetson   <a href="#">Link</a>	May 2024
<ul style="list-style-type: none"> <li><b>Collaborated with Caltrain and California State office of Traffic safety</b> to improve safety measures</li> <li><b>Developed</b> real-time pedestrian and cyclist detection using <b>Jetson Orin Nano, CUDA</b>, and <b>YOLO</b></li> <li>Achieved <b>28-35 FPS</b>, exceeding performance by <b>30%</b>, optimizing system throughput using <b>parallel processing</b></li> <li>Solved hardware constraints using <b>parallel processing</b> and optimized throughput with <b>CUDA</b> and <b>Tiny YOLO</b> models</li> </ul>	
Watch and get it.   Swift, Firebase, API	Jan 2024
<ul style="list-style-type: none"> <li>Developing an innovative app for <b>Apple Vision Pro</b>, enabling users to order food and items directly from their AR view</li> <li>Utilizes Swift for app development, integrating AR Kit for <b>augmented reality features</b> and Firebase for backend services</li> <li>Features as <b>real-time object recognition</b> to identify items on screen, and a seamless ordering with just drag-and-drop</li> <li>Recommends medicines before consulting a doctor and suggest medication quantity and time accordingly</li> </ul>	
Posters – Just Post it  Flutter, Firebase, Google Cloud Platform, Figma   <a href="#">Link</a>	May 2023
<ul style="list-style-type: none"> <li>Implemented user authentication, profile management, and camera integration for instant photo sharing</li> <li>Enabled real-time likes, comments, and follows, with a feed of posts from all users</li> <li>Integrated Firebase and <b>Google Cloud Platform</b> for backend services, including data storage and real-time updates</li> <li>Leveraging Flutter for <b>seamless cross-platform functionality</b> across iOS, Android, and web platforms</li> </ul>	