

Ninad Mhalgi

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EXPERIENCE

Software Field Technician — UST Global, TX, USA	Nov 2024 – May 2025
<ul style="list-style-type: none">Led the successful transition from Oracle Simphony 1 to Simphony 2 across 20 major airport locations, ensuring minimal disruption to operationsConfigured and deployed CAL (Client Application Loader) packages, Service Host and Prerequisite components, as well as KDS Client and Handler packages to streamline system upgradesSet up and calibrated Kitchen Display Systems (KDS), including controllers and displays, to ensure accurate routing of items to the appropriate KDS stationsConducted thorough software and hardware testing to verify system integrity, optimize functionality, and ensure compliance with quality standardsConfigured 25+ new menu items within Oracle Hospitality Simphony, incorporating detailed modifications to meet client-specific operational workflows, resulting in 100% client satisfaction during user acceptance testingMaintained and updated over 100 menu items, including price adjustments, item removals, condiment changes, and print class modifications	
Teaching Assistant — UT Dallas, Computer Science Department, TX, USA	Aug 2023 – Dec 2023
<ul style="list-style-type: none">Supported instruction for a cohort of over 130 students for Fundamentals of Computer Science and OSMentored students on topics including data structures, time and memory complexity contributing to improved academic performance and engagement	
Software Intern — i-exceed Technology Solutions, Bangalore, India	May 2020 – Jul 2020
<ul style="list-style-type: none">Implemented an image segmentation pipeline using the U2Net convolutional neural network to isolate salient objects from complex backgrounds with over 91% segmentation accuracyIntegrated OpenCV for image preprocessing and postprocessing, including resizing, thresholding, and contour detection to refine segmentation resultsEnhanced segmentation accuracy and speed, enabling more reliable downstream tasks such as OCR and automated document classification	

TECHNICAL SKILLS

Languages: MySQL, C++, Python3, PostgreSQL, Bash, C#, JavaScript, HTML, CSS, JQuery

Tools: Excel, React, Unity, Git, VSCode, Bootstrap, Postman, Linux, Node.js, Express.js

PROJECTS

FurniMart Website <i>HTML, CSS, React, MongoDB, JavaScript</i>	Aug 2023 – Dec 2023
<ul style="list-style-type: none">Created a furniture e-commerce platform with comprehensive CRUD operationsIntegrated features allowing sorting and filtering of over 500 items available for sale, enhancing user experienceUtilized MongoDB, React, Node and Passport middleware for enhanced security	
VR Classroom <i>Unity, C#, Photon</i>	Jan 2023 – May 2023
<ul style="list-style-type: none">Developed an immersive virtual classroom application, boosting engagement and learning outcomes through real-time interaction between students and instructorsIncorporated advanced features like voice chat and multiplayer options for 20 users, resulting in a more interactive and engaging learning experience	

EDUCATION

MS Computer Science The University of Texas at Dallas 3.88/4.00	May 2024
BS Computer Science Birla Institute of Technology and Science, Pilani 8.09/10	May 2022

CO-CURRICULAR ACTIVITIES

Spoken Digit Dataset	Jan 2020 – Mar 2020
<ul style="list-style-type: none">Created a dataset of spoken Hindi & English numbers from 0 to 10, published in the UPenn LDC	
Algomaniax Coding Club	Aug 2018 – Dec 2019
<ul style="list-style-type: none">Organized and attended contests & lectures on DSA concepts for over 50 undergraduates at BITS Pilani, Goa	