

# Ninad Mhalgi

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## EXPERIENCE

- Software Field Technician** — UST Global, TX, USA Nov 2024 – May 2025
- Led the successful transition from Oracle Symphony 1 to Symphony 2 across 20 major airport locations, ensuring minimal disruption to operations
  - Configured and deployed CAL (Client Application Loader) packages, Service Host and Prerequisite components, as well as KDS Client and Handler packages to streamline system upgrades
  - Set up and calibrated Kitchen Display Systems (KDS), including controllers and displays, to ensure accurate routing of items to the appropriate KDS stations
  - Conducted thorough software and hardware testing to verify system integrity, optimize functionality, and ensure compliance with quality standards
  - Configured 25+ new menu items within Oracle Hospitality Symphony, incorporating detailed modifications to meet client-specific operational workflows, resulting in 100% client satisfaction during user acceptance testing
  - Maintained 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
- Supported instruction for a cohort of over 130 students for Fundamentals of Computer Science and OS
  - Mentored 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
- Implemented an image segmentation pipeline using the U2Net convolutional neural network to isolate salient objects from complex backgrounds with over 91% segmentation accuracy
  - Integrated OpenCV for image preprocessing and postprocessing, including resizing, thresholding, and contour detection to refine segmentation results
  - Enhanced 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** | *HTML, CSS, React, MongoDB, JavaScript* Aug 2023 – Dec 2023
- Created a furniture e-commerce platform with comprehensive CRUD operations
  - Integrated features allowing sorting and filtering of over 500 items available for sale, enhancing user experience
  - Utilized MongoDB, React, Node and Passport middleware for enhanced security
- VR Classroom** | *Unity, C#, Photon* Jan 2023 – May 2023
- Developed an immersive virtual classroom application, boosting engagement and learning outcomes through real-time interaction between students and instructors
  - Incorporated 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
- Created a dataset of spoken Hindi & English numbers from 0 to 10, published in the UPenn LDC
- Algomaniac Coding Club** Aug 2018 – Dec 2019
- Organized and attended contests & lectures on DSA concepts for over 50 undergraduates at BITS Pilani, Goa