

Ninad Mhalgi

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EXPERIENCE

AI Intern — Bolt Today Pune, India	Sep 2025 – Present
• Designing and developing a custom AI chatbot window in Salesforce using Apex, enabling users to select between multiple LLM options, aimed at improving query response flexibility	
Software Field Technician — UST Global, TX, USA	Nov 2024 – May 2025
• Led the successful transition from Oracle Simphony 1 to Simphony 2 across 20 major airport locations in the USA	
• Conducted thorough software and hardware testing to verify system integrity, optimize functionality, and ensure compliance with quality standards	
• Maintained and updated over 100 menu items, including price adjustments, item removals, condiment changes, and print class modifications, resulting in 100% client satisfaction during user acceptance testing	
Teaching Assistant — UT Dallas, Computer Science Department, TX, USA	Aug 2023 – May 2024
• 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	
Machine Learning Intern — Computer Vision Center, UAB	Aug 2021 – Dec 2021
• Designed a prototype of a zero-shot multi-modal learning system utilizing CLIP model, capable of processing images and text by training on a comprehensive 10K size dataset	
• Explored the impact of prompt customization on image and text encoding using similarity matrices leading to a 20% improvement	
Machine Learning 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	

TECHNICAL SKILLS

Languages: Python3, MySQL, R, PostgreSQL, C++, C#

Tools: OpenCV, Pytorch, Scikit-learn, Excel, Sheets, Numpy, Pandas, Unity

PROJECTS

Collaborative Filtering <i>Python3, Pandas</i>	Oct 2022 – Nov 2022
• Engineered a user-based collaborative filtering predictive algorithm using the Netflix Prize dataset consisting of over 100K data points	
Salient Object Detection <i>Python3, Pytorch, Convolutional Neural Networks</i>	Jan 2021 – Jul 2021
• Conducted a comparative analysis of UNet and U2Net for the SOD task, using MSRA, DUTS, and ECSSD datasets and various testing methodologies	
• Determined that the ECSSD dataset outperformed the other datasets by 3.6% in terms of suitability for UNet and U2Net models	

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	
Algomaniax Coding Club	Aug 2018 – Dec 2019
• Organized and attended contests & lectures on DSA concepts for over 50 undergraduates at BITS Pilani, Goa	