

Nithya Kondagari

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EDUCATION

The Ohio State University

Aug. 2023 – Dec. 2026

Honors BS in Computer Science & Engr., AI Specialization, Studio Art Minor

GPA: 3.97

- **Relevant Coursework:** Low-Level Programming, Software Development & Design, Web Applications, Database Systems, Operating Systems, Data Structures & Algorithms, Artificial Intelligence, Networking, Machine Learning
- **Involvement:** OHI/O - President & HackOHI/O Lead, Delta Phi Omega Sorority, Inc. - Academic Chair

Microsoft Azure AI Fundamentals Certification

Aug. 2024

EXPERIENCE

Software Development Engineering Intern

June 2025 – Aug. 2025

Mitchell International, Enlyte

San Diego, CA

- Developed backend service using **C# and ASP.NET Framework** with 2 RESTful HTTP endpoints to extract vehicle corner classification and vehicle information (license plate, VIN, odometer) from customer-uploaded images for automated claims processing
- Implemented end-to-end **image processing pipeline** including validation, resizing, model integration, response parsing, and JSON formatting to enable seamless data extraction from **OCR and computer vision models**
- Built automated data extraction system projected to **reduce claim submission time by 30% and decrease data entry errors by 25%**, improving efficiency for claims adjusters and enhancing customer experience

Undergraduate Teaching Assistant

Aug. 2024 – May 2025

Ohio State University

Columbus, OH

- Provided technical guidance to **40 students** and graded **680+ assignments per semester** on software engineering fundamentals, debugging strategies, and Java programming concepts during weekly office hours & labs
- Explained complex topics including **object-oriented programming, data structures, and algorithm design** through individualized support, improving student comprehension of core SWE principles

Digital Marketing Intern

May 2023 – Aug. 2023

Women Empowering Differently Abled Adults (WEDAA)

Lewis Center, OH

- Redesigned org. website using **Figma** and collaborated with dev team to implement accessibility improvements
- Developed and executed social media campaigns across Instagram and Facebook, **growing follower base by 25%** and increasing post engagement

PROJECTS

planit | iMessages App for Planning Events in Groupchats

Swift, SwiftUI, Messages Framework, Xcode

- Developed native iMessage extension using Swift and SwiftUI enabling collaborative event planning
- Designed multi-screen navigation flow using MSMessage for cross-device data synchronization
- Implemented MVVM architecture with ObservableObject and Codable protocols for efficient state management and data serialization

BuckEye | Real Time Open Seat Detection

React.js, Python/Flask, YOLO-V11 Model

- Developed full-stack web application with React frontend and Flask backend to display real-time library seat availability across Ohio State campus, reducing student search time by 20+ minutes per visit
- Implemented multithreaded computer vision system processing 4 YOLO-V11 instances to analyze webcam feeds
- Designed intuitive user interface displaying real-time seat availability using Mapbox API

Echo | AI-Powered Reading Comprehension Tool

React.js, Python/Flask, OpenAI API

- Built educational web application enabling teachers to assign reading materials (URLs/PDFs) and automatically evaluate student verbal summaries through AI-powered comprehension analysis
- Leveraged OpenAI Whisper for speech-to-text transcription and GPT API to assess audio recordings based on key points, logical coherence, vocabulary usage, and speech clarity
- Created streamlined workflow for assignment distribution, audio submission, and automated feedback generation

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, JavaScript, HTML/CSS, Ruby, SQL, Swift

Frameworks & Technologies: React.js, Next.js, Flask, Ruby on Rails, ASP.NET, NumPy, Scikit-learn, PyTorch, JUnit, YOLO, Git, Linux/Unix, Azure AI Services