

Nikesh Chithambaram

Software Engineer

Goal-driven software engineer with domain expertise in supply chain management and logistics. Proven experience in agile software development and delivery, specializing in computer vision, machine learning, and XR research.

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🐙 github.com/cnikesh

EDUCATION

Master of Computer Science University of Dayton

01/2023 - Present

Dayton, Ohio

Courses

- Autonomous Systems
- Deep Learning
- Data Science
- Virtual Reality

B.E Computer Science and Engineering St. Xavier's Catholic College of Engineering

08/2016 - 08/2020

Kanyakumari, India

Courses

- Web Development
- Artificial Intelligence
- Software Engineering
- Mobile Application Development

WORK EXPERIENCE

Research Assistant University of Dayton

09/2023 - Present

Dayton, Ohio

Tasks

- Designing game based training platform for teaching cybersecurity using Unity and Oculus quest.
- Leading a team of 3 students in game design and development.
- Developing solutions for vehicle routing problem using deep learning.

DevOps Engineer Tata Consultancy Services

01/2021 - 12/2022

Bangalore, India

Achievements

- Developed web applications to manage logistics using Angular and .NET which reduced manual user efforts up to 80%.
- Automated performance testing for Blue Yonder JDA dispatcher application and reduced test duration up to 70%.
- Mentored over 5 junior engineers in test automation, and full stack development.

SKILLS

Programming Languages - C#, Python, JavaScript

Databases - Microsoft SQL, MongoDB

Frameworks - Tensorflow, Angular, .NET

Game Development - Unity, Blender

DevOps - Git, Azure

ACADEMIC PROJECTS

Mixed Reality Yoga Trainer

- Developed a python solution to give step by step instructions and real-time feedback using MediaPipe Pose.
- Designing an virtual trainer to give interactive yoga lessons using Unity and Microsoft Hololens.

Car Classification Mobile Application

- Developed a deep learning model that can classify 4 different models and 3 different make of car with 79% accuracy.
- Integrated the classification model to android application using android studio.

Travel Planning Mobile Application

- Developed server application with Express and MongoDB for dynamic travel itineraries.
- Designed hybrid Ionic application, seamlessly integrating server data for intuitive user experience.

INTERESTS

Full-Stack Development

Computer Vision

Deep Learning

Virtual Reality

Mixed Reality

Data Science

Game Development