

# Inesh Loka

ineshloka@gmail.com

www.linkedin.com/in/inesh-l

www.ineshloka.com

## Education

### The Ohio State University

Columbus, OH (2022–Present)

- B.S. With Honors, Computer Science and Engineering
- Cumulative GPA: 3.76

## Work Experience

### London Computer Systems

Software Development Intern, LCS RentManager Innovation

Cincinnati, OH (May 2023–August 2023)

- Implemented 30+ major bug fixes and feature improvements on enterprise-level rental accounting software with over 30,000 corporate clients. Skills used: C#, .NET WPF, MySQL.
- Overhauled financial reporting utilities with improvements in performance and design to facilitate migration to a web-based platform.
- Engaged in Agile software development utilizing Gitlab CI, Jira and Confluence for continuous improvement and close cooperation with team members and stakeholders.

## Leadership

### OSU Artificial Intelligence Club

Technology Committee Member

(September 2021 – Present)

- Wrote slide presentations and Jupyter notebooks to assist in weekly lectures teaching the fundamentals of deep learning with a project centric approach.
- Built deep learning models for image classification, image segmentation and natural language processing for use and reference by students, including a full project to classify human expressions from images.
- Led redesign of the club website.

## Projects

### Stickerbomb

Image segmentation artificial intelligence model and web application

(May 2023)

- Implemented an image segmentation AI model based on UNet using PyTorch to extract subjects from images and generate digital stickers.
- Designed a web application to allow users to upload images and generate stickers.
- Wrote a blog post detailing the process of creating and deploying the model to AWS.

### 2022 RevolutionUC Hackathon

Educational stock market game

(February 2022)

- Created an educational and interactive simulation game using data from the 2005-2007 stock market bubble with React to educate users on safe investing, located at ucstocks.github.io.
- Won the Best Educational Hack award from Fifth Third Bank.

### Soundbite

Lightweight audio capture and modification utility for Linux

(July 2023)

- Built a low-level API for sound capture and manipulation in Rust using CPAL and Hound.
- Designed a lightweight GUI using C++ and Qt to allow users to easily record and modify audio snippets.

### ineshloka.com

Personal blog and portfolio

(July 2023)

- Created an SEO-optimized site using NextJS to showcase projects and host blog posts.

## Qualifications

**Languages** Python, C#, JavaScript, Java, C, C++, NASM, Bash, SQL

**Data** Pytorch, SciKitLearn, Matplotlib, TensorFlow

**Web** Django, Flask, React, NextJS, Angular, NodeJS

**Desktop** Qt, Tauri, Make, .NET WPF, Java Swing

**Other** Git, MongoDB, MySQL, AWS Lambda, EC2, SageMaker, Google Firebase, Vercel

**Courses** Software Development & Design, Low-Level Programming & Computer Organization, Discrete Structures, Data Structures & Algorithms, Statistics, Linear Algebra, Calculus