

Kasi Viswanathan

Student

Passionate Machine Learning specialist with more than two years of hands-on experience in Machine Learning research and building innovative end-to-end Machine Learning solutions for business needs.

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📍 Coimbatore, India

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EDUCATION

Msc integrated Artificial Intelligence and Machine Learning

Coimbatore Institute of Technology

07/2019 - 04/2024

Coimbatore

WORK EXPERIENCE

Machine Learning intern

Grrroom

12/2020 - 02/2021

Mumbai, India

Work base - Home

Tasks

- Developed and fine-tuned numerous **Custom Object recognition models** for various types of apparel.
- To improve the model's accuracy, several **image augmentation approaches** were proposed to create training data for the existing models.

Profiles: Venkatesh Pugalia -
+91 9004661666, fashion@grrroom.in,
App : <https://play.google.com/store/apps/details?id=in.grrroom.grrroom>

Research Intern

Code13 EduTech Pvt. Ltd

01/2021 - 05/2021

Nagpur, India

Work base - Home

Tasks

- Read and reviewed several research papers in the field of **Object Detection and DeepVGI (volunteered geographic information)**.
- Data from the **OSM (Open Street Map) API** was collected and supplemented for the training of the detection model.
- Implemented code for the Research article '**Random-Forest-Inspired Neural Network**' using Tensorflow.

Profiles: Code13 Edutech Private Limited -
info@codekaroyaaro.com, +91 7020044091

Freelance

Fiverr, Upwork

03/2021 - 05/2021

Expertise in: Computer Vision (Object detection, segmentation), Model deployment, Artificial Intelligence solutions

Achievements

- I was able to **lead a team** of five people and manage them on many projects simultaneously.
- Working on various real-world projects helped me develop **MLOps** abilities.
- I was able to maintain **5.0 ratings** on both platforms (Fiverr and Upwork) for my contracts, and almost every client returned for further work in person.

Profiles: Upwork:
<https://www.upwork.com/o/profiles/users/~01f535458f53031ec9/>
Fiverr:
<https://www.fiverr.com/vinithkac>

SKILLS

Artificial Intelligence

Machine Learning

Deep Learning

Python

C

Django

Flask

ml5js

Computer Vision

MLOps

PERSONAL PROJECTS

Virtual Hand cricket

- A Flask app that allows you to play hand cricket with an AI bot using hand gestures.
- Skills used: YOLO for Object detection, Flask for developing a web app.
- Dataset used : Self-created and augmented hand images.

Smart Pharma Drug Locator - IOT

- An app that automatically locates drugs for pharmacists, as well as informs stock of medicine that is running short or about to expire - "Patented."

Food calorie predictor

- A flask-based web program that estimates the number of calories in your food.
- Skills used : Tensorflow Object Detection (TFOD) for food detection. Flask - web app deployment.

Fall detection

- Given a video as input, predicts the severity of an injury caused by a person falling.
- Tensorflow Pose-estimator for identifying key points from the body. Keras model for forecasting injury severity based on key points in continuous frames

ORGANIZATIONS

AIML association, CIT (08/2020 - 05/2021)

President

Placement Co-ordinator (01/2021 - 04/2024)

dept - MSc AIML

5th Dimension - Music Band (02/2021 - 05/2021)

Joint secretary

ACHIEVEMENTS

Machine Learning for Kids

Using Scratch (a UI-based block coding language) , I created a Machine Learning programme for Kids (age of 10 - 16).

LANGUAGES

English

Professional Working Proficiency

Tamil

Professional Working Proficiency