MANIKANTA DOMMATI

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EDUCATION

Bachelor of Computer Science (Honors), Indian Institute of Information Technology — Kottayam, India
CGPA: 8.01 — 2020 - 2024

SKILLS

Languages:	Python, C, Java, R, HTML/CSS, Matlab.
Frameworks:	TensorFlow, OpenCV, Keras, Scikit-Learn, selenium, Flask, Tkinter.
Tools	GIT, GCP, Linux, PostmanAPI

RESEARCH AND EXPERIENCE

Junior Computer Vision Intern — Oct 2022 - Current
ProductizeTech — *Remote*

- Research and development of Color classification in CV and color clustering of 180 different colors.
- Real-time CV module deployments in security systems for Face Anti spoofing a full end API in the backend.
- Development of Computer vision backend API for Auto-data Labeling,Image-to-sketch,Custom-document-OCR,.

Deep Learning Intern — Mar 2022 - May 2022
UST Global — *Remote*

- Developed 2 backend APIs for E-Commerece for object size detection using computer vision and deep learning.
- Followed by a 3 Color channel based sorting and filtering Algorithm on fashion store applications.

PROJECTS

Facial Liveliness Detection -Mar 2023 — TensorFlow, OpenCV, Flask,Tkinter
Built a tool to differenciate a live input stream from a spoofed one. Any spoofing attack either it may be photo, video, replay, silicone mask can be classified by analysing skin texture. A two level stage of verication has to go before facial recognition.

Auto Image Annotator -Dec 2022 — TensorFlow, OpenCV, Flask, Python
Automation of annotating of images for custom object detection and custom object segmentation. Annotating is time taking process, 70 percent of the time can be saved by using Auto Image Annotator.

Object Size Detector -Mar 2022 — PyTorch, TensorFlow, OpenCV, Python
Object size detector which uses simple RGB camera to detect object size without any additional use of stereo vision cameras. The output size measurements are accurate upto 2 decimal places(in cm). [Check Here](#)

Classes on Cloud Bot -Dec 2021 — selenium, Heroku, Chrome Driver, Python
Automated MOODLE learning platform to enable automatic online class attendance, students no need to rememder timetable anymore. Supports 300+ users in a go. [Check Here](#)

CERTIFICATIONS

- Coursera - Deep Learning by Andrew Ng — Jul - 2022
- Kaggle - Adcanced Deep Learning — Mar - 2022
- Data visualizaion bootcamp - ACM IIITKottayam — Feb - 2022
- Google Cloud Developer — Nov - 2021

ACHEIVEMENTS

- Top 50 in monthly kaggle Tabular Playground Series. — Nov 2022
- Runner Up in Local 72 Hours long hackathon on Machine Learning held among top 3 collages. — Oct 2022
- Finalist in reflections hackathon by bloombloom (out of 240+ teams). — Dec 2021