



Dilipraj Dasari

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Date of birth: 06/08/1993 **Nationality**: Indian

WORK EXPERIENCE

[17/01/2023 – 30/09/2023]

Computer Vision Engineer/AI Software Engineer

Pixies

City: Rome | **Country**: Italy

- Collaborated with a team dedicated to the development of an Object Detection model and Optical Character Recognition(OCR). Responsibilities included writing Python scripts for data organization, facilitating data input for model training, utilizing cloud services for model training, and creating models using Tensorflow and PyTorch. Additionally, we engaged in the development of new models and employed Python scripts to interactively visualize model results. Managed datasets efficiently.
- Applied Convolutional Neural Networks (CNNs) with precision, contributing to the successful development of advanced machine learning models.
- Worked with implementation of synthetic data generation techniques, contributing to enhanced data-driven decision-making in various projects.
- A large part of my role is to handle datasets, which include data collection, cleaning, writing Python scripts to structure it in the format that can be fed to the network for training, and also managing(adding, removing, updating) the new batches of data into the existing pipeline which will be added to the training in the next go.
- Part of the group deals with training the model on Microsoft Azure, gaining proficiency in cloud-based infrastructure.
- Applied image manipulation and modification techniques such as image slicing, pixel color adjustment, and black-and-white transformations to achieve project objectives. Employed various techniques tailored to specific requirements.
- Played an important role in managing Python scripts for Object Detection projects, involving the manipulation of polygonal coordinates corresponding to labeled objects. Adapted coordinates when cropping images to ensure labels remained accurate within the cropped regions.
- Demonstrated keen adaptability by handling spontaneous tasks in response to dynamic workplace situations.

EDUCATION AND TRAINING

[15/09/2018 – 20/10/2022]

Masters in Computer Science

Sapienza University of Rome <https://www.uniroma1.it/it>

City: Rome | **Country**: Italy

[06/06/2011 – 15/11/2015]

Bachelors in Computer Science

Jawaharlal Nehru Technological University <https://www.jntuh.ac.in/>

City: Hyderabad | **Country**: India

DIGITAL SKILLS

My Digital Skills

COMPUTER VISION | Advance knowledge in Machine Learning and Deep learning | Natural language processing | Python | Tensorflow, Keras, Pytorch, sklearn | Frameworks & Libraries: OpenCV, Sci-kit learn, NumPy, Pandas, SciPy, Matplotlib. | Computer vision: Object detection, object tracking | opencv image processing | MySQL | Azure and AWS

CERTIFICATIONS

DeepLearningAI Tensorflow Developer

Coursera

Link: <https://www.coursera.org/account/accomplishments/specialization/certificate/V6Y4VRY99MVR>

Introduction to Tensorflow for Artificial Intelligence, Machine Learning and Deep Learning.

Coursera

Link: <https://www.coursera.org/account/accomplishments/certificate/YD5LCXF3PYS5>

Convolutional Neural Networks in Tensorflow.

Coursera

Link: <https://www.coursera.org/account/accomplishments/certificate/ZD4WTYPJXYZZ>

Natural Language Processing in Tensorflow

Coursera

Link: <https://www.coursera.org/account/accomplishments/certificate/NHND52EGS95D>

Sequences, Time Series and Prediction

Coursera

Link: <https://www.coursera.org/account/accomplishments/certificate/L5A9XQGNVTQA>

LANGUAGE SKILLS

Mother tongue(s): Telugu

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Italian

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user