MARIA NIVITUS J

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Skills

Languages

Tamil | English | Spanish (beginner)

Programming

Python | C++ (Basics) | HTML | CSS

IDE & Frameworks

Anaconda | Pycharm | VSCode | Tensorflow & Keras (Basics)| Django OpenCV (Basics)| NLTK | Git

ML and DL Techniques

Regression | Classification Clustering | PCA |Data Preprocessing Data Visualization| EDA | ANN | CNN RNN (Basics) | Transfer Learning (Inception V3, VGG 16, Resnet 50)

NLP & Computer Vision

Sentiment Analysis | Stemming | Lemmatization | Word2Vec | YOLO | Object Detection | Video and Image Annotation | Object Tracking(Basics) Image Classification.

Database and Cloud

MySQL (Basics) | PostgreSQL (Basics) | AWS Basics (EC2, S3, SageMaker) | Heroku

Education

MCA - Master of Computer Applications | GPA : 7.1 / 10
Loyola College | Chennai, India.
July 2018 - May 2021.

BCA - Bachelor of Computer Applications | GPA : 6.9 / 10
Don Bosco College | Tuticorin India.
June 2015 - May 2018.

Hobbies and Soft Skills

Reading | Chess | Football
Teamwork | Leadership | Motivational Speaker

I'm a highly motivated and passionate Junior AI Engineer whose dream is to use my talents in Machine Learning and Data Science to solve real-world problems and make the customer achieve more.

Experience

Trainee Machine Learning Engineer
NeoSOFT Technologies | Bangalore, India.
February 2021 - August 2021. (Remote)

Project 1: E-Commerce Website with Recommendation System

- **Project Goal:** To create an E-Commerce website using Django and python along with a customer recommendation system using machine learning techniques.
- **My Task:** Worked E-Commerce backend part with PostgreSQL and performed crud operations and managing product database along with creating custom Django admin panel for clients.

Project 2: Automation Supermarket

- **Project Goal:** To create a convenience store that operates without a cashier using deep learning and computer vision.
- **My Task:** Worked on various grocery product video annotations using darklabel tool and wrote the script for product detection and product tracking which increased model performance.

Project 3: Slurrp Farm Product Recommendation System

- **Project Goal:** To create a recommendation system that has the ability to predict user's preferences for products using NLP.
- **My Task:** Worked under the elasticsearch part for autocomplete the searching products along with the recommendation system, and also cleaned the food nutrition dataset apart from that extracting each ingredient value from the particular food product

Data Science and AI Internship & AI Blog Contributor
AICE Cloud Enterprise | Tallinn, Estonia.
August 2020 - November 2020. (Remote)

Project 1: AI Journals and Books Recommendation Engine

- **Project Goal:** To Create a Recommendation Engine that has the ability to predict and recommend the right user's wish AI Books and Journals using NLP and Machine Learning.
- **My Task:** Worked on Data Collection part, Collected various AI books and journal data from Elsiver, Google Scholars and more.

Personal Projects (Links are given)

- Leaf Disease Detection using Deep Learning in CNN.
- Cricket Score Prediction using Machine Learning.
- Movie Recommendation Engine with Sentiment Analysis.
- Flight Price Prediction Using Machine Learning.
- Heart Disease Classification.
- Real Time Hand Tracking 30 FPS using OpenCV.
- Gesture Volume Control using OpenCV.
- Finger Counter using Hand Tracking OpenCV.