Objective

 Dedicated, passionate, and competent Data Scientist with hands-on experience of Python ,R as well as building complicated neural networks. Capable of recognizing patterns,interpreting data with Excellent analytical skills .

Work History

2018-05 – 2020-06

Associate Software Engineer

Working In Accenture, Pune

● Trained in Python

● Worked on keras , tensor flow and scikit learn

● Hands on MYSQL ,SYBASE ,Mongo db database

● Experience of CNN model training and development

● Developed python script for augmentation

● Random forest model training using scikit learn

Education

2019-08 - 2020-02

PG Diploma: Artificial Intelligence

CDAC ACTS - Pune

6 month post graduate diploma course in Artificial intelligence which provided 900 hours of deep insights of

● Machine Learning

● Deep Learning

● Reinforcement Learning

● Computer Vision

● Natural Language Processing

● Data Analytics

● Python & R

Worked in CDAC GIST for 1 months for computer vision and deeply learning technology

2011-07 - 2018-04

B.E: Electronics And Telecommunication

I.E.T Davv - Indore

● Secured 67.3% In B.E in Electronics & Telecommunication from I.E.T DAVV in 2018.

● Secured 77.2% In SSC from M.P.B.S.E in 2013.

● Secured 80.3% In HSC from M.P.B.S.E in 2011.

Projects

● Welding process automation using deep learning

Library used: Opencv, Keras ,Tensorflow

Description:Automation of welding process using opencv, camera captures images at every 20 second and deep learning model running on edge device computes that image and triggers notification that all parts are welded or not.

Role:

● Image annotation for object detection

● Python script for data augmentation

● Model training and testing

● Advanced Side Face To Front Face Generation and Recognition System

Library used : Opencv ,Tensorflow,Face Recognition ,Dlib,scikit-learn,Pillow

Model used : Pix2Pix Gan, Knn

Description :a system through which we can use pictures of faces at different angles and side views(profile face) to face recognition.

we used Generative Adversarial Networks (GANs) for generating full from side face to make one shot learning more accurate and used Opencv for image processing and Machine Learning models to increase accuracy.

● Service Now Mail Automation & Ticket Creation System

Library used : nltk, spacy,keras tensorflow

Description: Automating the mails folder in service now & ticket creation based on application

Role:Web Scraping using seleinium Classification using ML

● Cancer Classification using Different Machine Learning Models

Models Used: Logistic Regression,SVM,Random Forest ,XGBoost ,sklearn

Description: To Predict A Person Has Cancer Or Not based on Age,Tumor Size And Other Features

● Word Cloud Generation

Library used : NLTK,PIL

Description:To generate a Word Cloud with most used word of a Novel on a Person or Character image.

● Indian Names Generation Using RNN

Library used: Numpy ,Random

Description:using Sampling with RNN to generate names by character wise prediction

● IOT Based Air Pollution Monitoring System

Tools Used: WIFI Module, Arduino Uno, LCD

Description: To Measure And Display Quality Of Air

● Gesture Vocalizer Using Flex Sensor

Tools Used: Flex Sensor, Voice Processing Module ,, LCD

Description: To Convert Hand Motion Of Mute People To Audio

● Dream team creation in IPL using Pandas and Python

Tools Used: Pandas,matplotlib,seaborn,numpy

Description: predicted best playing 11 using Data analysis on previous years data set

Trainings and Certifications

 Training :

 ● Embedded System Training at Techwiz

Key Learning : PCB Designing, Sensor, Eagle

 ● Vocational Training at BSNL

Key Learning : Switching System ,Optical Fibre , Power Supply

Workshop :

 ● Attended Workshop On Wireless Communication From Robotronix

Certification :

 ● Introduction to Augmented Reality From Google AR &VR at Coursera

 ● Deep Learning With Tensorflow 2.0 at Udemy

 ● Convolutional Neural Networks From deeplearning.ai

 ● Neural Networks and Deep Learning From deeplearning.ai

Professional Strength

 ● Flexible And Adaptive

● Cooperative And Humble

● Persistent

Hobbies

 ● Playing Cricket

● Watching Movies

● Reading Books

Declaration

I hereby declare that all the information mentioned in my resume is true and correct to my knowledge and I take full responsibility for the accuracy of the particulars mentioned.

Shivam Pradhan

 Shivam Pradhan

Associate Development Engineer

Contact

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Skills

Python

SQL

Artificial Intelligence

Machine Learning

Deep Learning

R

Data Analytics

Javascript

Mongodb

Computer Vision

Statistical Analysis

Data management

C++

Natural Language Processing

NLTK

Reinforcement Learning

Tensorflow