VISHAL ITWARE

DATA SCIENTIST

9284478991

itwarevishal@gmail.com

karve nagar, pune

Objective

- Being a Data scientist Enthusiast looking for the challenging opportunity in Data scientist , I intend to be a part of an organization where I can constantly learn and apply my knowledge, integrate myself into the organizational culture and diligently work to add value to it.

SUMMARY

- Having 3.5+ years of experience in data scientist modules of the Health care and Ecommerce product application as well as frontend development of the other application using web technologies.
- Experience in the development of algorithm for machine learning and deep learning python .
- Experience in the Image processing and NLP, computer vision.
- Experience in the development of modules for AI and neural network python and other technologies.
- Experience in making responsible web pages using HTML,CSS, django framework

Experience

- 3.5+ years of experience as a Data Scientist at LEARN ZONE SOLUTIONS PVT LTD PUNE from 1 June 2017 to 10 Nov 2020.

TECHNICAL SKILLS

- **Data scientist Technologies:** machine learning, deep learning, Image processing, NLP ,neural network, Artificial Intelligence, computer vision, statistical tool.
- **Languages:** Python, R ,
- **Big-data-** hive, pyspark, Scala ,
- **Framework -** Django , AWS,(EC2)
- **Web Technologies :** HTML, CSS ,
- **IDE AND Tools** : STS, Pycharm, Anaconda, Notepad++
- **Other:** Azure machine learning studio, data modeling , Tableau, SQL, MS office Suite, MySQL

EDUCATION

- Diploma in Data Science.
- Passed Bachelors of Engineering in Electronics and Telecommunication from Amravati University with CGPA 6.53.
- Passed Diploma in Electronics and Telecommunication from MSBTE Mumbai with aggregate of 69.82 %.
- Passed Higher and Secondary School Certificate from Maharashtra state Board with 60%.
- Passed Secondary School Certificate from Maharashtra state Board with 57%.

PROFESSIONAL EXPERIENCE

Poject 3: Brain Tumor Detection

Employer	➢ learn zone solutions Pvt Ltd
Environment	➢ Segmentation, Object Labeling, Machine Learning, Supervised Learning, K-Means, Decision Tree, Random Forest, Linear Regression, Logistic Regression, Pattern Mapping, Pattern Matching, SVM, MRI, Clustering, Euclidian distance, CNN, SQL, Python , R
Description	➢ The project aim is to detection of brain tumor in early stages of cancer. This application is used by physicists to get better/precise idea about brain tumor with 87.69% accuracy. Currently working on increasing the accuracy by using Deep Learning techniques on GPUs.
Roles	➢ Data scientist
Key Responsibilities	➢ Involve in Data pre-processing stage which involves cleaning of MRI images by using median filter in MATLAB, R and Python ➢ Created various data frames from the MRI images using R ➢ Image segmentation and Object Labeling done by using MATLAB and feature matrices extracted in R, Python ➢ Used data imputation techniques for missing data using R,Python ➢ Involved in coming up with various visualizations using ggplot package ➢ Involved in cleaning up various discrepancies in data to make it analysis ready using R and Python ➢ Analyzed and prepared with patterns of classified data, made a model to test new data for prediction ➢ Analyzed and used advanced analytical techniques such as Logistic Regression, Decision Tree, Random forests, SVM in comparing the accuracies that help in decision making of analyst to detect type of tumor exists in patient's brain

Project 2: Ecommerce product classification

Employer	➢ learn zone solutions Pvt Ltd
Environment	➢ Python, machine learning , Deep Learning, Artificial Neural Networks.
Description	➢ There are many tasks in the ecommerce industry that require cognitive tasks such as categorization of millions of products sold Online. ➢ The aim is to develop a model to correctly classify the product according to its attributes ➢ This would help optimizing product taxonomy and hence ensure that customers can browse through ➢ Online product catalogs smoothly.
Roles	➢ data scientist
Key Responsibilities	➢ Website Breadcrumb , Inode Breadcrumb. ➢ Taking the Product Name and Website Breadcrumb as input, we have to predict the Inode Breadcrumb. ➢ Removing the brand names ➢ Also some other product features like Brand, Color, ➢ Description, Image URL are available, some of which can used for Classification . ➢ Initially we had tried classifying using machine learning algorithms like SVM, Naive bayes etc ()

- Neural networks and deep learning currently provide the best solutions to many
- problems in image recognition, speech recognition, and natural language processing.
- Both Deep convolutional neural networks and recurrent neural networks can used for the classific

Project 1: Healthcare Analytics

Employer	➢ learn zone solutions Pvt Ltd
Environment	➢ Python, R, machine learning , Deep Learning, Artificial Neural Networks
Description	➢ This project deals with trauma cases coming to the hospital for treatment. The main objective is to find out the relationship and association between injury types. By using these hidden relations, associations & patterns doctors/physicians recommend different tests and scanning ➢
Key Responsibilities	➢ Cleaned & transformed the data to do required analysis (By using "dplyr", "tidyr" packages) ➢ Performed chi-square test analysis to check tests of independence ➢ Used supervised & unsupervised modeling techniques using R/Python ➢ Built multiple models to predict injury types & cause of death by using "caret" package ➢ Created ensemble models with Decision trees, Random Forest, Bagging ➢ Boosting algorithms to get high model performance(GBM) ➢ Performed Classification using Deep Learning, Artificial Neural Networks ➢ Performed AUC & ROC analysis of models built ➢ Compared classification models with Logistic, Decision trees, Random Forests, & SVM techniques ➢ Handled over plotting by using certain ways with ggplot2 ➢ Created various functions, which will give detailed summary reports Used R markdown to turn analyses into high quality documents, reports, presentations and dashboards.

Additional Details

- Participated in DB Global Hackathon 2k19.
- Hobbies : Catching snakes & cooking**.**

PERSONAL PROFILE

- Date of Birth : 16 July 1989
- Gender : Male
- Marital Status : Single
- Permanent Address : Buldana (Maharashtra)
- Current Address : Pune (Ms)

DECLARATION

I hereby declare that the information provided above is true to the best of my knowledge and belief.

VISHAL ITWARE