Tarun Sharma

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Links

Github:// **tarun_sharma9168**
LinkedIn:// **tarun_sharma81998**
Hackerrank:// **tarun_sharma81998**

Skills

OS
GNU/Linux, Windows

LANGUAGES
C/C++, Java, Python, javascript, R

FRAMEWORK
Flask, Android, Pytorch, Tensorflow, Keras, FastApi, Spring Boot

LIBRARIES
Numpy, Sklearn, Nltk, Spacy, Pandas, Pyspark, Opencv, bashscript

DATABASES
MySQL, PostgreSQL, MangoDB, Sqlite

OTHERS
Git, Vim, Sublime Text, Elastic Search
Eclipse, Android Studio, Linux Bash, Excel

Coursework

Data Structures and Algorithms
Data Analysis
Machine Learning
Big Data Analysis
Natural Language Processing
OOPS

Education

2019-2021
MSC IN DATA ANALYTICS
IIITM, Kerala
CGPA : 8.47/10

2016-2019
BSC IN COMPUTER SCIENCE
DDUC, Delhi University
CGPA: 7.824/10

2016-2018
DIPLOMA IN FRENCH
St Stephens College, Delhi University

2014-2016
HIGHER SECONDARY
Gagan Bharti School, New Delhi
Percentage: 94.66%

Experience

JULY 2021-NOW **Number Theory Software Pvt Ltd**   **Data Scientist**
Project includes Semantic Segmentation, Image processing, Video Processing, Customer Segmentation, Credit Risk Modeling, Time Series Analysis etc, REST API Development, Machine Learning Model development in pyspark. Worked closely with the Number Theory AI Platform.
Python, Pandas, Numpy, Opencv,fastapi, pytorch, matplotlib

JAN 2021-MAY 2021 **KUDSIT**   **Research Intern**
Publication was written during this period named "On the Economy-healthcare Trade-off: Stochastic Optimal Control of Epidemics via Parsimonious Models and Markov Decision Processes, with Application to India's COVID-19 Outbreak"
Julia, R, Matplotlib, Seaborn, Python, Latex, Draw.io(diagram tool)

JUNE 2020-OCT 2020 **ReflectionsInfos Pvt Ltd.**   **Machine Learning Intern**
comparative study of all the chatbot frameworks. Building chatbot using Rasa along with other technologies. Data gathering, cleaning, model training and code review.
Rasa, Python, Mongodb, Python, JavaScript, Ajax, Jquery, Numpy, Scipy

Certifications/Awards

2021 **Hackerrank certification in Problem Solving**
2021 **Hackerrank certification in Java,Python,Sql**
2020 **certification in Data Engineering Data Camp**

Side Projects

2020 **VDCNN For Text Classification**   **NLP**
Text classification using the very deep convolutional neural network inspired by resnet.

2020 **Emotion Detection using the light weight neural network**
                                                          Computer Vision
Fully convolutional neural network is used to model this problem.

2020 **Chatbot for Schools**   **Nlp,Chatbot**
Chatbot for the school meal system using RASa Framework.

Publications

2021 **Parsimonious Stochastic Epidemiological Model for Covid19 in India**   **In Peer Review**
Submitted at IEEE Transaction of cybernetics.

2021 **Supervised Contrastive Loss for Object Detection and Semantic Segmentation**   **In Peer Review**
Submitted at IEEE Transaction of Pattern Analysis and Intelligence.