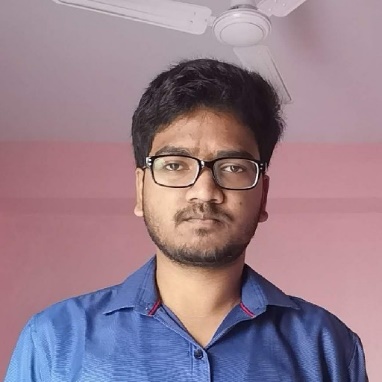
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**Summary**

I am fresher and open to work in software development. I have knowledge in Python, Java, R , Data Structure and Algorithm, Database(Mysql), Machine Learning and Deep Learning and I have project in Data Science field. I am more eager to learn from you and have more experience.

**Internship Work Experience**

* Advanced Excel Non 2020-Dec 2020

**Internship Project**

* **Advance Excel internship at IVY Professional School Nov 2020 – Dec 2020**

Internship was on London House Sales Price dataset. On the basis of Business Objectives, pivot table was built. A dynamic dashboard was built to showcase dataset summary.

**Projects**

* **Chest X-ray Image Classification.**

In this project, we have to find which x-ray of lungs have pneumonia or not. For this project, I used Convolution Neural Network model with activation function ‘**relu’** and output activation function as ‘**sigmoid’**. As this is binary model, so here **binary\_crossentropy** loss function is used.

Main important feature of confusion matrix to be noted here is **False Positive (FP).** As FP is very dangerous in medical industry as Model predict True to have Pneumonia but patient doesn’t have that disease. So, I keep my main focus to reduce FP as much as possible. I have TP= 47, TN=32, FP=3, FN=38 and accuracy of 81%.

* **Image Classification Model on Face recognition.**

In this project, I recognize given face using CNN model with first image is convoluted image, further compressed using Maxpooling and finally flattened image is proceeded to compile with optimizer= ‘**adam’**, loss = **‘categorical\_crossentropy;**. Here I used **relu** activation function for Convolution2D and **softmax** output activation function. It has 2 layers of CNN models.

* **Deep Learning – ANN (Regression) on Car Prices Dataset**

After EDA, cleaning, feature selection and pre-processing final data was passed through **Deep Learning – ANN (Regression) Model** with having **ReLu** and **Tanh Activation Function.** **Tanh** activation function is used to deal with more complexity in data and to improve accuracy. At the end to tune hyper parameters like batch size, epochs, optimizer trial used manual GridSearch as well as automatic **SKLEARN GridSearchCV** to get best hyper parameter (**‘Optimizer\_trial': 'adam', 'batch\_size': 20, 'epochs': 10**) and model **accuracy** of **91%.**

* **Twitter Data Analysis**

Analyses twitter tweets on topic **Corona Virus**. Done **Sentimental Analysis** using a **bag of words** model and find the flow of tweets where sentiments are in negative, positive or neutral. After this **WordCloud Analysis** to find the most occurring sub-topic, events or person.

* **Classification Model on Credit Card Approval Dataset in Python.**

This is a Customer Data Analysis project having bank detail, credit score, personal detail etc. Dataset provided with raw information and have to do **EDA**, cleaning, preprocessing. Uses techniques like **Recursive Feature Elimination (RFE), Synthetic Minority Over-Sampling Technique (SMOTE)** and **GridSearchCV.** Final model having **accuracy** of **88%.**

* **Regression Model on Car Prices Dataset in Python.**

The dataset has been cleaned, EDA performed and feature selection performed to have the most desirable feature. Selecting the best model among various models among MLR, Decision tree, Random Forest, AdaBoost, XGBoost, KNN is XGBOOST as getting the best **accuracy** of **90%.**

* **Dashboard on Swiggy Diwali sale Analysis in MS Excel**

Dataset has records of pre-Diwali sales and post-Diwali sales. I use it to build **pivot tables** and on the basis of pivot tables have built a dashboard, showing Item-wise analysis charts of **Sales-Vs-Name\_of\_shops, Sales-Vs-Dates, No\_of\_Orders-Vs-Hr\_of\_day**.

**Professional Development**

* **Training at IVY Professional School, Delhi Feb 2020 - ONGOING**

Data Science courses consist of advance **MS Excel, SQL, Tableau, Machine Learning** with R and Python, **Deep learning** and **Artificial Intelligence**.

**Skills**

* **Predictive Modeling Algorithms** :- Linear, Logistic, Time Series, Clustering, Decision Tree, Random Forest, XGBoost
* **AI Modeling Algorithms** :- Text Mining, Sentimental Analysis, NLP, ANN, RNN, OpenCV
* **Programming Language** :- Python, R, SQL, Java(Core), C++
* **Data Visualization** :- MS Excel

**Education**

* **Chandigarh Group Of College, Punjab Technical University 2020**

B.Tech in Information Technology

CGPA - 6.79 / 10

* **Government Model Senior Secondary School, Chandigarh 2015**

Higher Secondary School (12th)

Percentage – 54%

* **St. Anne's Convent School, Chandigarh 2013**

Secondary School (10th)

CGPA – 7.8 / 10

**Extra-Curricular Activity**

* Enthusiastic about sports like badminton, cricket, football.
* Organized and managed the technical event in the Annual College festival.