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Work Experience

- Junior Developer (Trainee) at **CodeSure Software Solutions Pvt. Ltd**. | Feb'21 – Present| QT Developer.
- Internship from Defense Research Development Organization **(DRDO)** | July'18 – Aug'18
  During my internship, I studied about Linear Feedback Shift Register (LFSR).

Technical Skills

• **Languages:** Python, C, C++, SQL

• **Packages:** Scikit-Learn, Numpy, Scipy, Plot.ly, Pandas, Matplotlib

• **Statistics/ML:** Linear/Logistic Regression, SVM, Decision Trees, Random Forests, Boosting, Neural Networks, Convolutional Neural Networks

• **Big Data:** Hadoop, Hive, Sqoop

• **Data Visualization:** Tableau

ACADEMIC QUALIFICATIONS			
Examination	**Board/University/Institute**	**Year**	**Percentage**
Post-Graduation Diploma in Data Science	IIIT Bangalore and Upgrad	2020	83
B. Tech – IT	IP University, HMR Institute of Technology & Management	2019	66.7
XII	Apeejay School, Pitam Pura: CBSE	2015	91.5
X	Apeejay School, Pitam Pura: CBSE	2013	92

Data Science Projects

Domain: Retail | Oct'19

- Tech Stack: Python , Anaconda Navigator, Jupyter Notebook
- Objective: A company wanted to know the various variables that influence price of the car
- Solution: Designed a model via **Multiple Linear Regression** to model the price of cars with the independent variables.
- Key Achievement: Developed a model with an **Adjusted R2 Score of 0.713.**

Domain: E-Commerce | Oct'19

- Tech Stack: Python , Anaconda Navigator, Jupyter Notebook
- Objective: To assign a lead score to all those who are converted into leads.
- Solution: Designed a **Logistic Regression Model** and help the company in targeting the potential leads.
- Key Achievement: Developed a model with **specificity of 94.3% and sensitivity of 92.4%.**

Domain: E-Commerce | Dec'19

- Tech Stack : Python , Anaconda Navigator, Jupyter Notebook

- Objective: To determine the variables those significantly predict the price of house and up to what extent.
- Solution: Designed an **Advanced Regression Model** for determining the independent variables that model the price of houses.
- Key Achievement: Developed a model with an **R2 score of 94.57%.**

Domain: E-Commerce | Jan'20

- Tech Stack: Python , Anaconda Navigator, Jupyter Notebook
- Objective: To reduce the customer churn i.e. predict which customers are at high risk of churning.
- Solution: Designed 4 models via Logistic Regression, SVM, Decision Tree and Random Forest.
- Key Achievement: Developed these models:
  1) **Logistic Regression: Accuracy of 82.35%**
  2) **SVM : Recall of 93.31%**
  3) **Decision Tree : Recall of 89.33%**
  4) **Random Forest: Recall of 86.97%**

Domain: E-Commerce | May'20

- Tech Stack: Python, Nimble Box
- Objective: To recognize 5 hand gestures.
- Solution : Made a generator that could take a batch of videos without any error. I used **Convo3D** and **Maxpooling3D** for 3D convolutional model
- Key Achievements: I developed 4 models with different batch size and number of epochs.

Research paper

I prepared a Research paper on **Data Mining**.
It was published **in Volume 5, Issue IV April 2017** in International Journal for Research in Applied Science and Engineering Technology (**IJRASET).**

Projects

- **Rentora- The Tenants App**
  a. Tech Stack: Android Studio
  b. Objective: It was an administrator-based rating application which helped the customers to sell, buy, rent or lease a house or floor based on the ratings given by administrator. The ratings were given upon factors like hospital nearby, metro station, park facing etc.

- **Linear Feedback Shift Register (LFSR)**
  a. Tech Stack: Turbo C++
  b. Objective: I prepared a code to run LFSR and made a project report on how it is used in cryptography and circuit testing.