***CAR SALES PURCHASING***

**Name**: Arif khan

**Semester** : 7th sem

Rustamji Institute of Technology

B.S.F Academy Gwalior(M.P.)

**Duration: 2 weeks**

**Internship :** AI Engineer

#### Problem Statement: You are working as a car salesman and you would like to develop a model to predict the total amount that customers are willing to pay.

**Dataset:** Car\_Purchasing\_Data.csv

**It is contain following attributes like—**

Customer Name, Customer e-mail, 'Country, Gender, Age, AnnualSalary, Credit Card Debt, Net Worth**,** Car Purchase Amount.

**🡪** For Better prediction, I have to use the ANN Model(alg.) for car price predicton

*In these model I have also used tensorflow , relu functions and Dense layer.*

Dense layer is the regular deeply connected neural network layer. It is most common and frequently used layer.

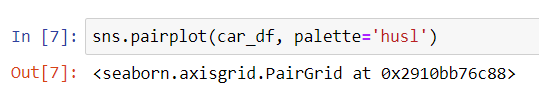
**h = W\*x + b**

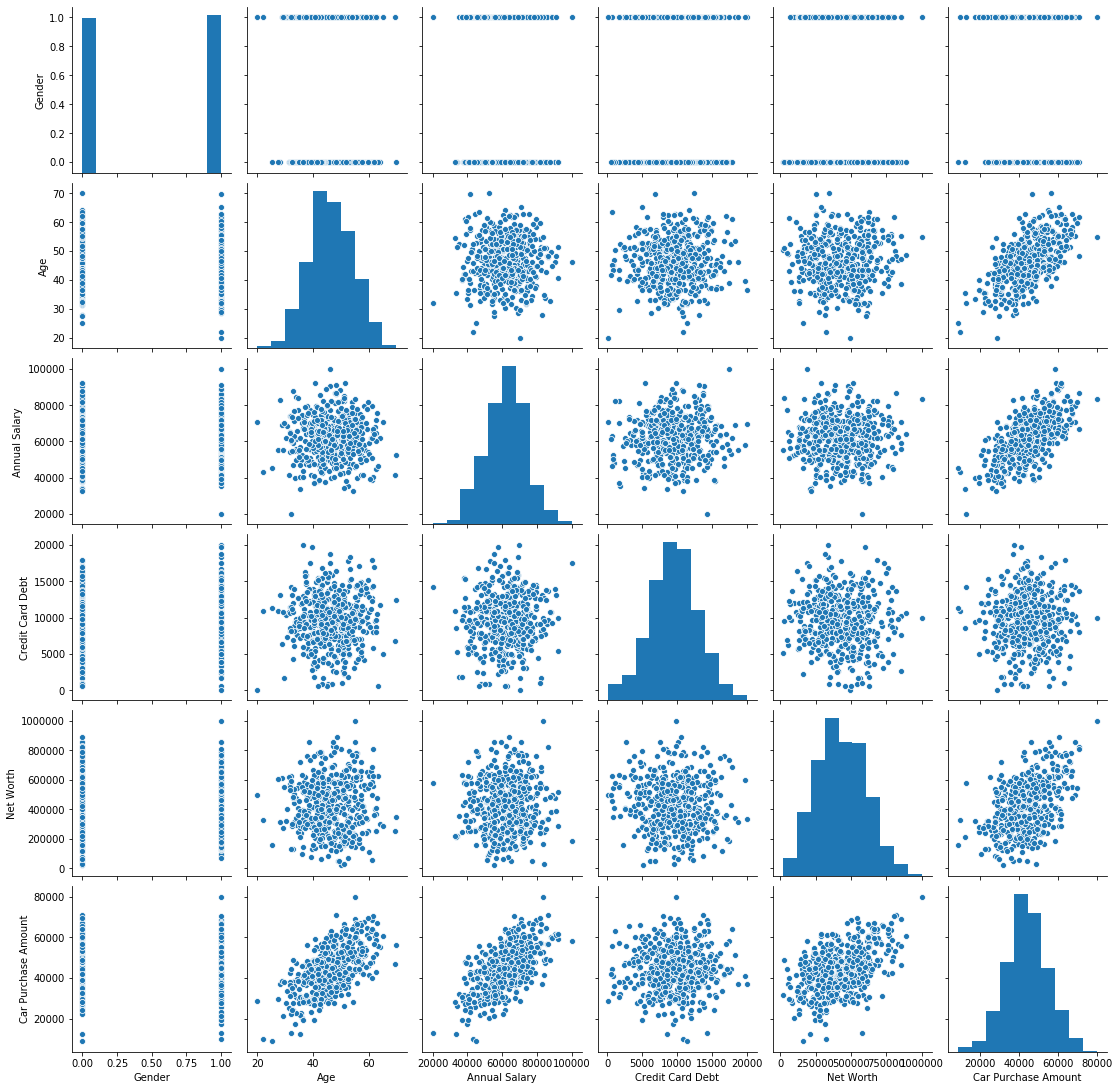
**EXECUTION OF THE MODEL:**

**1.Import and load the dataset**



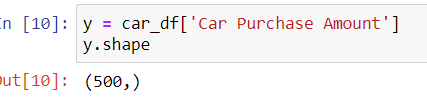
1. **Data visualization**

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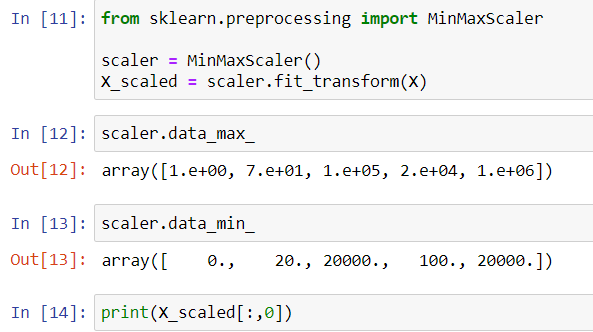
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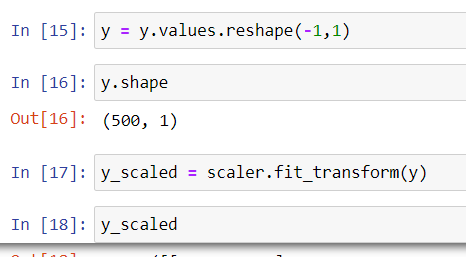
1. **Data cleaning**

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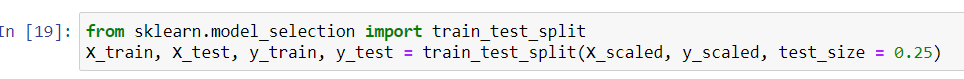
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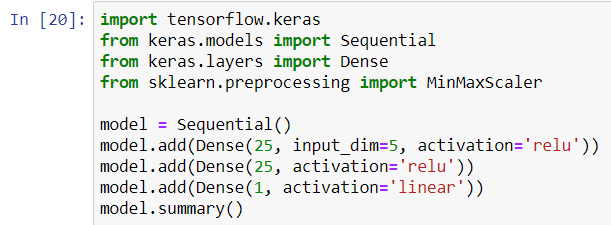
**Scaling and reshape the data:**

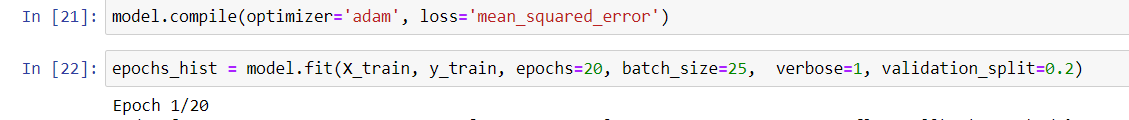
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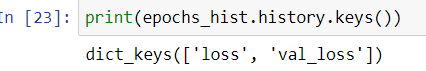
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1. **Train the model:**

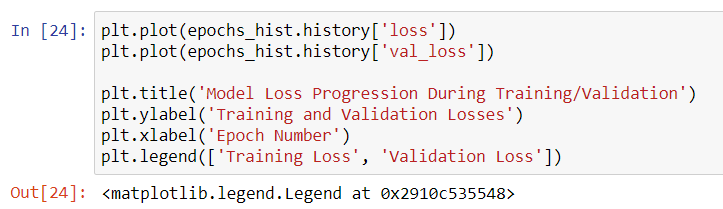
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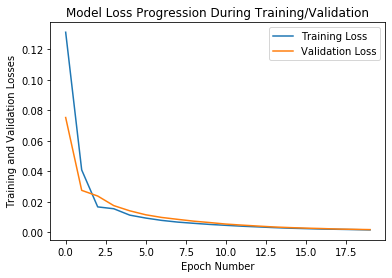
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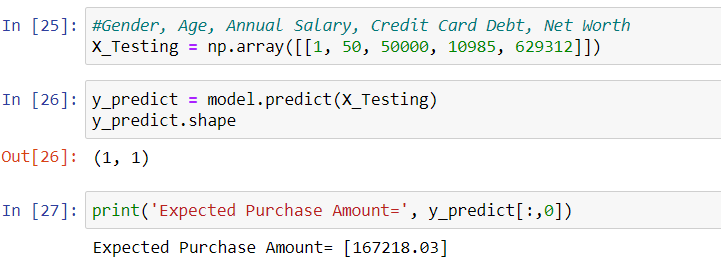
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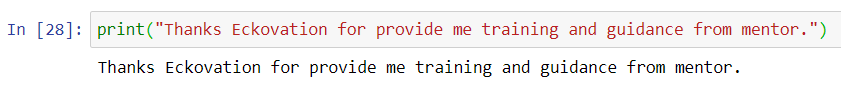
1. **Evaluate the model**

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**Thanks:**

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