***Code Progress Schedule***

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|  | File | Progress | |
| *First week* | Project\_progress1.py | Learning how to use the following libraries: | |
| ·         pandas | |
| ·         sklearn | |
| Learning how to: | |
| ·         label encoding | |
| ·         train data | |
| ·         scale data | |
| Using Random Forest Classifying Algorithm without OOP. | |
| *Second week* | Project\_progress2.py | Trying to form a structure in OOP with Wine Quality Dataset | |
| Project\_progress3.py | Adding two more machine learning algorithms to model. | |
| Using multiple inheritance as in WineQuality Dataset as: | |
| Child | Parent |
| RandomForestClassifying | WineQuality |
| SupportVectorModelClassfying | WineQuality |
| MultilayerPerceptronClassifying | WineQuality” |
| *Third week* | Project\_progress4.py | Adding Breast Cancer Detection dataset to model. | |
| Project\_progress5.py | Adding Credit Card D. Payment dataset to model. | |
| *Fourth week* | Project\_progress6.py | Applying Cross Validation approach to the Wine Quality dataset | |
| Project\_progress7.py | Applying Cross Validation approach to the Breast Cancer Detection dataset | |
| Project\_progress8.py | Applying Cross Validation approach to the Credit Card D. Payment dataset | |
| *Fifth week* | Project\_progress9.py | Working with a very new dataset, which is Food Nutritional Values | |
| The following has been applied to this new dataset: | |
| ·         Multiple inheritance | |
| ·         Multilevel inheritance | |
| ·         Cross Validation Approach | |
| Adding graphs and reports functions into the models. | |
| *Sixth week* | Project\_progress10.py | Combining all dataset in one code structure. | |