**Milestone & Activity List**

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| Project Title | AI-powered Nutrition Analyzer for Fitness Enthusiasts |
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* Project Objectives:
* Analysing the image of the food and calculate the nutrients.
* Prerequisites:
* Software/packages - Anaconda Navigator, Pycharm
* Data collection:
* Download the dataset
* Image Preprocessing:
* Import The Image Data Generator Library
* Configure ImageDataGenerator Class
* Apply Image DataGenerator Functionality To Trainset And Testset
* Model Building:
* Importing The Model Building Libraries
* Initializing The Model
* Adding CNN Layers
* Adding Dense Layers
* Configure The Learning Process
* Train The Model
* Save The Model
* Test The Model
* Application Building:
* Create HTML Pages
* Build Python Code
* Creating Our Flask Application And Loading Our Model By Using Load\_model Method
* Routing To The Html Page
* Run The Application
* Train The Model On IBM:
* Register For IBM Cloud
* Train Model On IBM
* Ideation Phase:

* Literature Survey On The Selected Project & Information Gathering
* Prepare Empathy Map
* Ideation
* Project Design Phase – I:
* Proposed Solution
* Problem Solution
* Fit Solution Architecture
* Project Design Phase – II:
* Customer Journey
* Functional Requirement
* Data Flow Diagrams
* Technology Architecture
* Project Planning Phase:
* Milestone & Activity List
* Sprint Delivery Plan
* Project Development Phase:
* Project Development - Delivery Of Sprint-1
* Project Development - Delivery Of Sprint-2
* Project Development - Delivery Of Sprint-3
* Project Development - Delivery Of Sprint-4