**Machine Learning Projects Journey**

1. Business Problem
2. Get the data
3. Discover and Visualize the data to gain Insights
4. Prepare the data for Machine Learning Algorithms
5. Select the Model and train it
6. Fine-tune your Model
7. Present your Solution
8. Launch, Monitor, and Maintain your system

**Agenda**

1. Business Problem
2. Data Collection
3. Tools setup for Project
4. Load Data
5. Data pre-processing
   1. Know your data
   2. Data Integration
   3. Get the brief information of the data
   4. Get the statistical information of numerical features
   5. Data cleaning
   6. Feature transformation
   7. Categorical to Numeric Conversion
6. Make data ready for training
7. ML Model Selection
8. Model Training
9. Cross Validation
10. Fine Tune Model
11. ML Model Testing
12. Present Solution
13. Create Web App
14. Model Deployment (Windows or Ubuntu )
15. Model Monitoring and Maintain

**Deployment on AWS**

1. Flask Server
2. Website Create
3. Deploy ML Model on Local system
4. Create account on aws.amazon.com
5. Create EC2 instance and Launch
6. Download and Install PuTTy software
7. Create the private key using PuTTygen
8. INstall WinSCP and upload project
9. Connect with AWS EC2 instance (Ubuntu) using PuTTy
10. Update Ubuntu
11. Install pip3
12. INstall dependencies
13. Run the server (Deploy ML Model)
14. How to Keep SSH session running after disconnect