NutriSage: Smart Nutrition Assistant for Food Analysis and Personalized Meal Guidance

by

AADITYA KUMAR DHAKA (2448001)

NEELANJAN DUTTA (2448040)

Under the guidance of

Dr. Sathya P

OCTOBER – 2025

CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE | DELHI NCR | PUNE

Department of Statistics and Data Science

PROJECT DIARY - Sep 2025

Class: MSc Data Science Trimester: V

Course : MDS581 - PROJECT - II

Student Reg. No: 2448040 Name: Neelanjan Dutta

Guide Name: Dr. Sathya P

Date: From : 29/09/25 To: 04/10/25.

Task Completed:

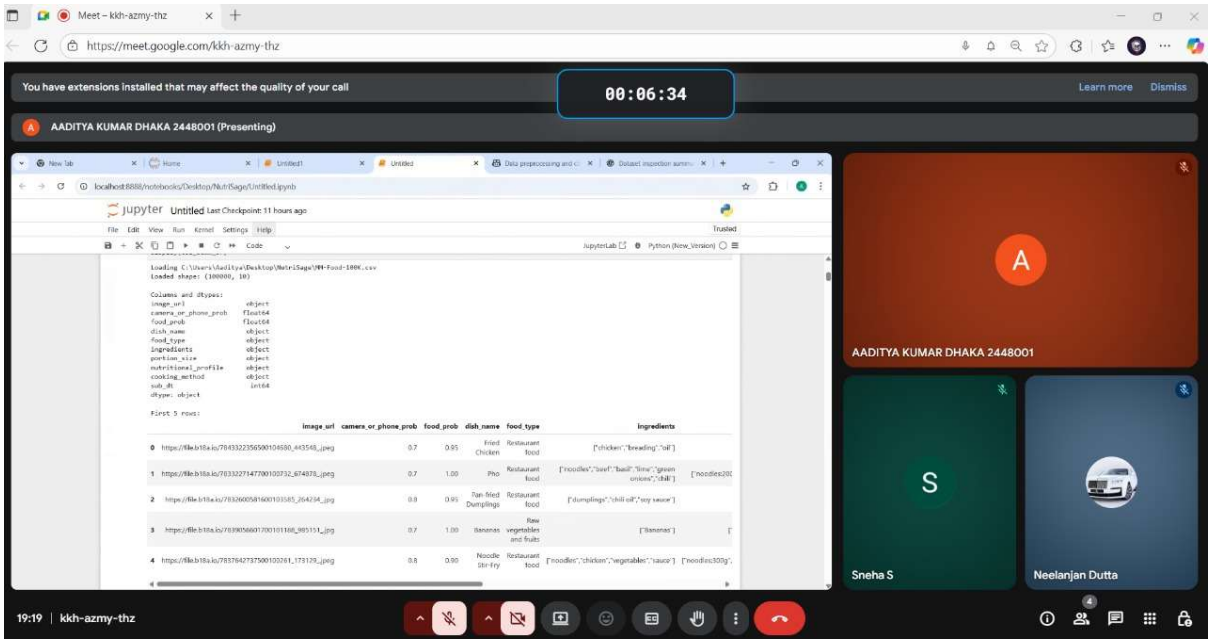
During this week, I contributed to data preprocessing by organizing the dataset into a usuable structure and ensuring consistent formats for food items. I also helped in EDA by visualizing patterns such as average nutrients per food group and identifying important features that will later guide our model.

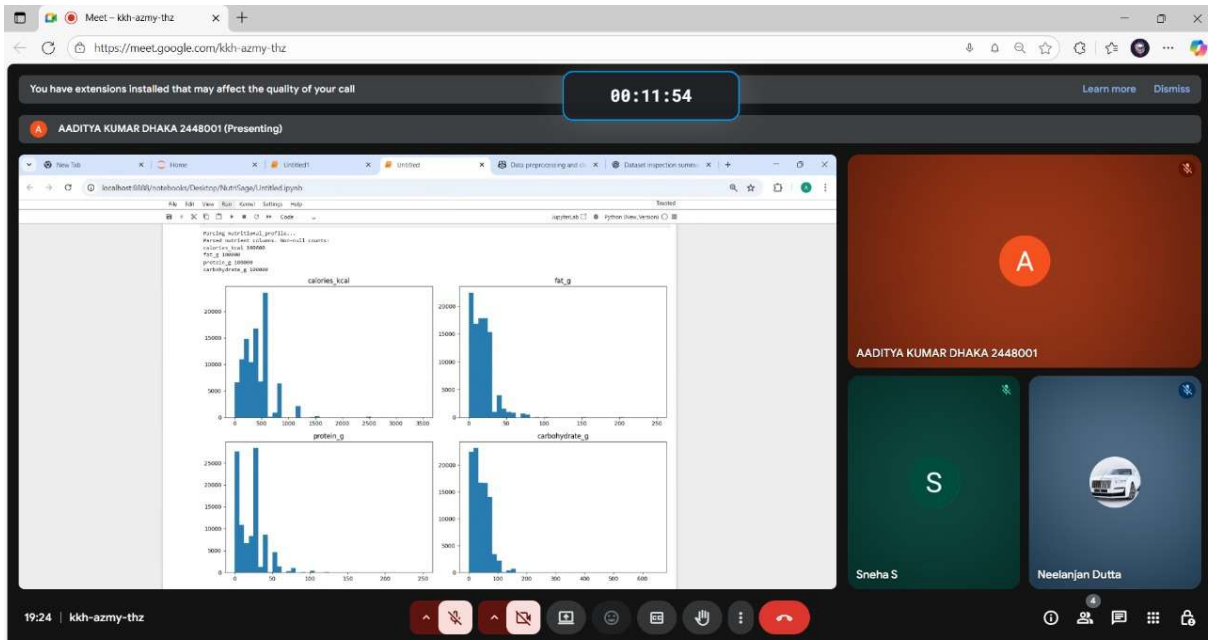
Task Planned:

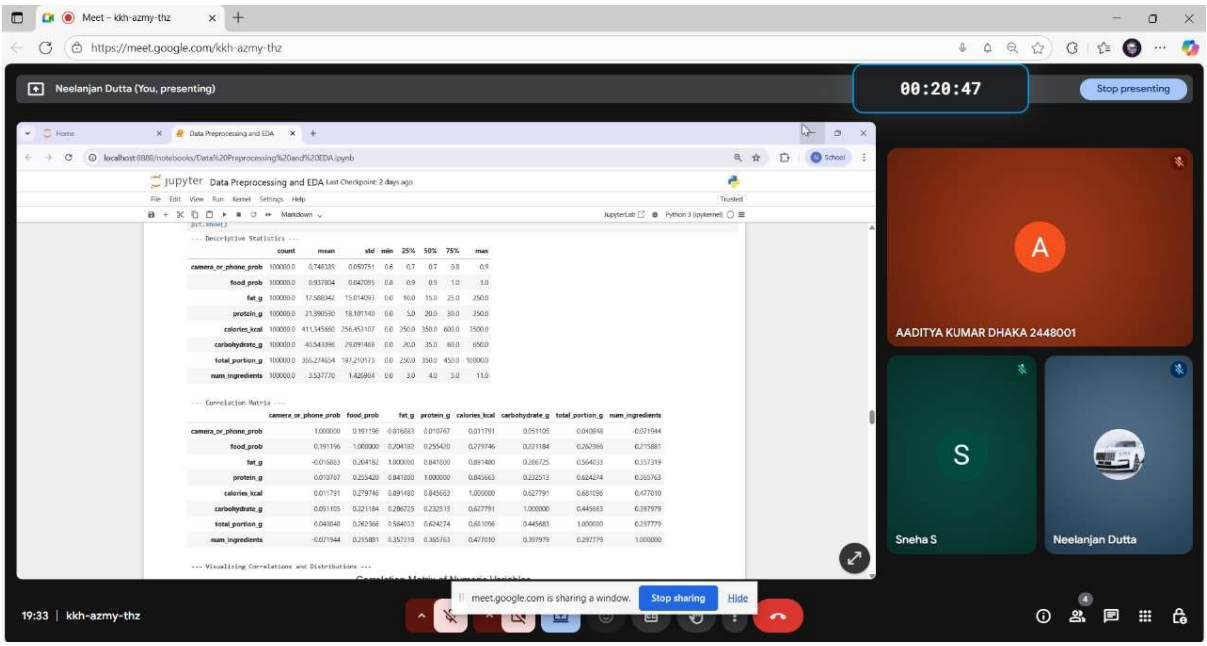
I plan to continue refining the EDA by generating more detailed visualizations and insights. I will also assist in preparing the dataset for training by helping with labeling and ensuring that the data is consistent across all selected sources.

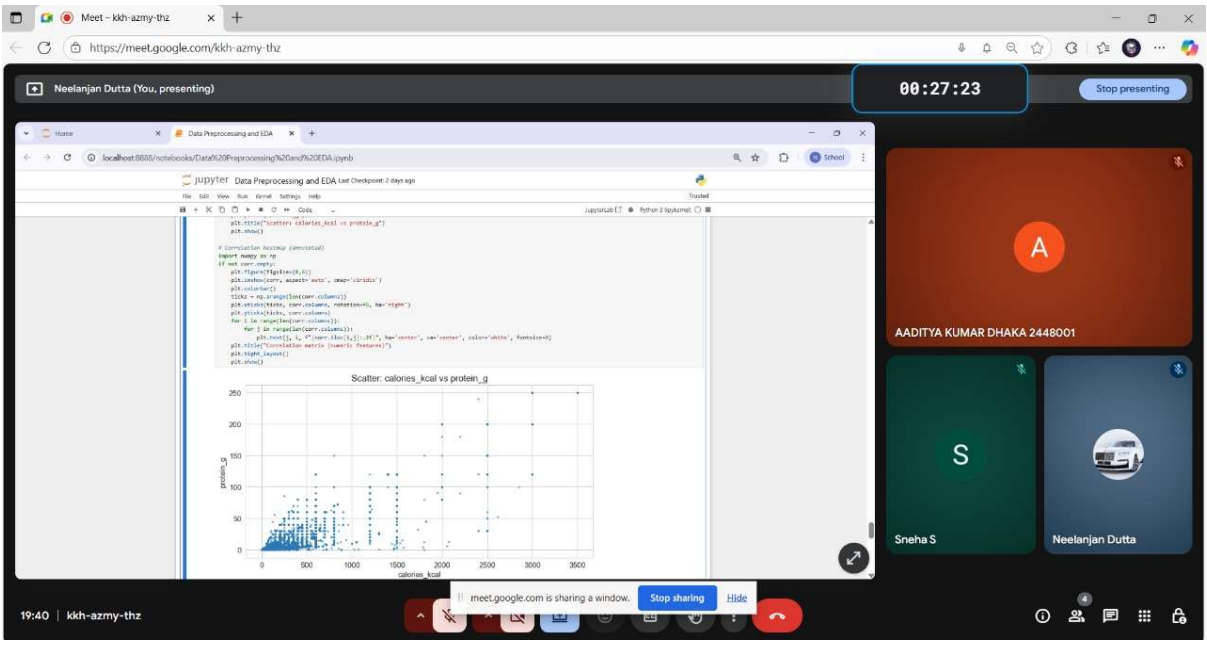
Guide Signature

Meeting with our alumni (Sneha S)






Meet – kkh-azmy-thz
https://meet.google.com/kkh-azmy-thz
Neelanjan Dutta (You, presenting)
00:20:47
Stop presenting
Data Preprocessing and EDA
AADITYA KUMAR DHAKA 2448001
Sneha S
Neelanjan Dutta
meet.google.com is sharing a window.
Stop sharing
Hide
19:33 | kkh-azmy-thz


Meet – kkh-azmy-thz
https://meet.google.com/kkh-azmy-thz
Neelanjan Dutta (You, presenting)
00:27:23
Stop presenting
Data Preprocessing and EDA
Scatter: calories_kcal vs protein_g
AADITYA KUMAR DHAKA 2448001
Sneha S
Neelanjan Dutta
meet.google.com is sharing a window.
Stop sharing
Hide
19:40 | kkh-azmy-thz