E-Commerce Store Review Classification using Deep Learning Techniques with Cloud Deployment

(Solution Approach)

We would be going to use **Agile Methodology** of Software Development:

Release Early and Release Often

This is the way i would have approached to solve a data science project
Create a Backlog—> To Do List—> Doing—> Done [Weekly Sprint]

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Forsk would first play the Role of the **PMC (Project Management Consultant)** and help you understand the clients expectation and create Solution Approach and also Wireframes document.

Post that Forsk mentors would play the Role of **PG (Project Guide)**.

Step 00 (Brainstorming)
In this phase you sit with the client to understand his problem statement.

Deliverable of this phase would be a Problem Statement document.

Step 01 (Analysis Phase)
Read and analyse the Problem Statement document and create an action plan for the project.

Deliverable of this phase would be a Solution Approach document.

Step 02 (Design Phase)
Wireframe your electronic screen layouts using a mockup tool called figma and explain the different actions via user stories.

Deliverable of this phase would be a Wireframe document.

Step 03 (Research and Learning Phase)
Now after understanding the client's expectation, create a list of how to.
This list will be a technical How to do List.
E.g.
How to show a Chart/Graph in a webpage using Python ?
Google all such questions and read articles so that you now know how to technically solve that part of the problem

Deliverable of this phase would be a list of documents, Online Article URL, Sample codes.

Step 04 (Development Phase - Backend and Frontend)
Segregate the list of clients expectation into separate parts
a) User Experience of Running the Project
b) UI Expectation for taking input from the user
c) UI Expectation for the output

Create a Python script with the UI element seperate to solve the core expectation from the client
Now Create the UI for the clients Expectation.
Then link to the UI with the backend functions created.
Both the Frontend and Backend Development can go side by side also.

Deliverable of this phase would be a Source Codes.

Step 05 (Integrated Testing)
Manual Testing in Development Environment
Manual Testing in Production Environment
Here you will feel the need for having the Logging and Exception handling.

Deliverable of this phase would be Source Codes.

Step 06 (Technical Video)
You will create a short video demonstration of your project features for your batchmates, me, and other faculty/staff to evaluate.
Your target audience is students completing a similar project in the future, so make it helpful.

Please follow these guidelines:

1. Speak loudly and clearly.
2. Start by clearly stating your name and the title of your project.
3. Discuss briefly your reasons for choosing to develop this project: what need

are you trying to meet? How are you hoping to create value through the project?

4. Walk through your project's features. Present as if you are talking to someone who has never used your project
5. Submission: for this one, please upload it to YouTube. For access, you may choose unlisted (if you just want those with the link to see it) or public (if you want anyone and everyone to see it). Private won't work, obviously.
6. Submit the YouTube URL to the Slack Channel
7. The length of the video may vary. I expect most will be in the 8 minute range, if you include good detail and plan well.
8. Options for Screen recording:
   (1) Zoom (2) OBS studio (3) Bandicam (4) Camtasia
9. If you like other options, please post them to slack channel. Your batchmates and I would love to hear from you.

Step 07 (Code Submission)

Please make sure your final submission is pushed to github and the link of it is shared on the slack channel for evaluation.

DO NOT put the database/csv on the github.

Step 08 (Evaluation)

Grading guidelines

All work will be graded on the following 10-point scale:
10 = Excellent, exceeded project goals and expectations
09 = Very Good, is in good shape and doing very well
08 = Satisfactory, has met the requested ideas at a satisfactory level
07 = Ordinary, is okay but isn't at the appropriate project status level
06 = Marginal, is not in real trouble yet but behind target status
05 = Deficient, is behind project goals

04 = Unsatisfactory, has little to show for the time allotted
03 = Superficial, has thrown something together at the last minute
02 = Gave Excuses, had nothing to give other than an excuse
01 = Dim-Witted, had nothing to give and couldn't think up an excuse
00 = Not Present, not present for meeting

Note that a 9, not 10, is the typical grade for solid, very good work.
You need to go above and beyond to reach a 10 (100%).

The grade on the final submission will be capped at 7. If it only applies ideas introduced in class.

Grades of Satisfactory, Very Good or Excellent are only on successfully demonstrating ideas beyond those learned in project Internship.

Below Steps are NOT part of Batch

Step 09 (UAT Phase - User Acceptance Test)
Step 10 (Packaging for Final Production Delivery)
Step 11 (Go Live)
Step 12 (Support and Maintenance)
Step 13 (Future Enhancements)