AIDI2003 - InClass06

Project Name: **BotBuster**

AI Review Detection System

Industry: E-Commerce   
 Team Members:  
 • Mohammed Umar Khan [100965376]   
 • Prashant Verma [100967364]  
 • Khadija Ramzi [100948193]  
 • Mahesh Sama [100953232]

 Task Distribution Table:

| **Member** | **Responsibilities** | **Present in Meetings** |
| --- | --- | --- |
| Md. Umar | **Main Task: Sentiment Analysis** Edited Trello board, reviewed peer Trello board and provided feedback.  Drafted Word Document  Drafted PPT for Pitch Trello board owner | 23-Jul-2025 (Yes)  30-Jul 2025 (Yes) |
| Prashant Verma | **Main Task: Develop Tagging AI-Generated or Suspicious Reviews** Edited Trello board, reviewed peer Trello board and provided feedback.  Trello board owner  Drafted PPT for Pitch | 23-Jul-2025 (Yes)  30-Jul 2025 (Yes) |
| Khadija Ramzi | **Main Task: Develop Linguistic Signature Analyzer** Edited Trello board, reviewed peer Trello board and provided feedback.  Conducted and produced audit of Group 05  Drafted PPT for Pitch | 23-Jul-2025 (No)  30-Jul 2025 (Yes) |
| Mahesh Sama | **Main Task: Develop Bot Detection Engine** Edited Trello board, reviewed peer Trello board and provided feedback.  Drafted PPT for Pitch | 23-Jul-2025 (No)  30-Jul 2025 (Yes) |

Feedback Received:

* Clarity Check: Is the project idea and feature breakdown easy to follow?
  + Yes, this is little overwhelming, too much information

* Task Coverage: Are the tasks detailed enough to show real planning?
  + Yes, absolutely its detailed enough with the task deadlines,

* Timeline Realism: Does the timing make sense for the scope of the project?
  + Yes, the timing, is good

* Team Accountability: Can you tell who did what? Are the cards divided clearly?
  + Tasks are divided as per main features and clear.

Individual Reflection:

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| **Reflection** | |
| Mahesh Sama | I was responsible for implementing the logic to analyze IP patterns and HTTP headers, which helped improve detection accuracy. The most challenging part was designing a reliable scoring system to balance false positives and false negatives, especially when dealing with spoofed user-agent strings. It required careful tuning and testing to ensure real users weren’t mistakenly flagged as bots |
| Prashant Verma | I owned the feature Tagging AI-generated or Suspicious Product Reviews. My role involved designing the logic to detect unnatural patterns in review content and user behavior. The hardest part was defining reliable patterns that separate AI-generated reviews from genuine ones without over-flagging real feedback. Balancing precision and recall took a lot of tuning and iteration. |
| Umar Khan | I worked on the Sentiment Analysis part of the project. It was interesting to see how emotional tone can help detect fake or AI-written reviews. The hardest part was making sure we didn’t wrongly flag simple, honest reviews as suspicious. Overall, it gave me a better understanding of how language and AI interact. |
| Khadija Ramzi | I was responsible for the Linguistic Signature Analyzer feature. My role was to research and implement logic that detects whether a review "sounds" human based on sentence structure, vocabulary diversity and writing patterns.  The hardest part was figuring out how to turn writing style into something measurable especially since AI-generated text can sound very natural. |
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