The PAN-BS AI-ML Challenge

Overview (Event Report)

Presented by the LogicLooM Organizers

BS Degree Programme
IIT Madras

August 11, 2024

https://www.youtube.com/watch?v=MCmgfA7kQkg

https://mlig-iitmbs.github.io/ml-challenge

Introduction

The two tracks!

Track 1 : Fake News Detection in Dravidian Languages

- In an age of information overload, accurately categorizing fake news is crucial for fostering reliable communication. The task underscores the need to explore the effectiveness of NLP in understanding Dravidian languages, which are less widely spoken.

Track 2 : AI-Generated Text Detection in Articles

- With the rapid advancement of AI, distinguishing between human-written and AI-generated content is increasingly challenging. This challenge aims to explore capabilities of ML models to accurately identify the origin of textual content, contributing to the development of robust techniques for detecting AI-generated text.

Event Statistics

- 183 teams..., 127 in Track-2 and 56 in Track-1!
- A total of 342 participants!
- 5 mentor sessions (where we started from the scratch - classification basics) hosted through out the challenge.
- Foundational students were encouraged to participate! Our goal wasn't to make them master the intricate aspects right away, but rather to help them gain a solid understanding of the basics and how ML works.
- Majority of the Foundational students who were new to ML were able to build models and submit their solutions successfully, two of them have even made it to this!
- 12 teams from Track-2 & 6 from Track-1 have qualified for this presentation round, based on the run submission mac-F1 & Acc. metric scores.

Teams: Before & After the Mentor Sessions :D

Event Flow!

Aug 04: Release of Problem statement, Labelled Train data & milestones

- Aug 07: Release of Unlabelled test set The test set (without ground truth labels were provided to the teams for their developed models to generate predictions.
- Aug 08-09: Submission of runs and code
  Each team was allowed to submit a max. of 3 runs on our event portal. To help them optimise their models, the portal showed the scores for the 1st 2 runs. The best performing model score was considered.

Meet the Top Achievers!!

SL No.	Participants	Score
1	Kartik Agrawal	0.765,0.419
2	Keshari Nath Chaudhary, Pratiksha Naik	0.841,0.4
3	Shaikh Gufran Jabbar, Sukanya S	0.871,0.405
4	Nitish Rishi	0.803,0.364
5	Aniket Dash, Deva Vasista	0.886,0.336
6	Sanyam Miital, Nithish Kumar	0.879,0.318

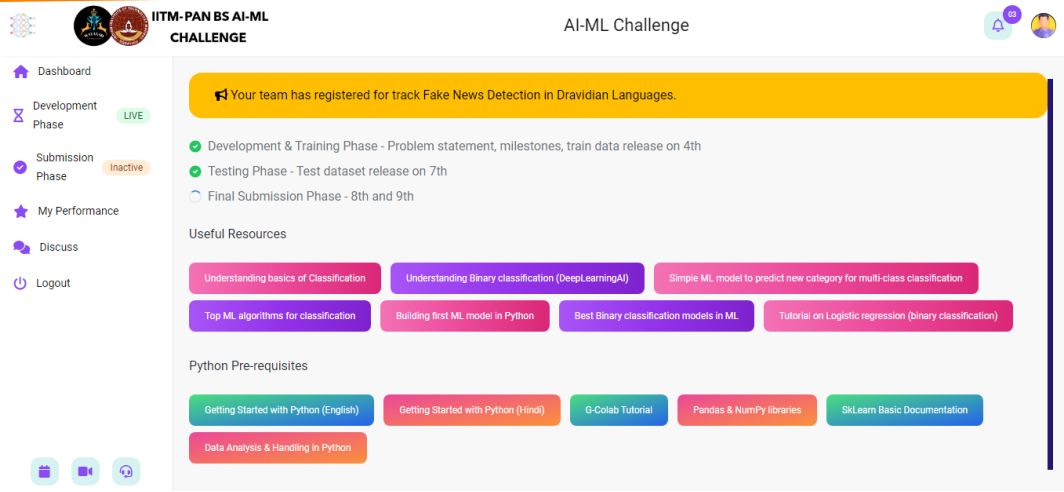
Note

In descending order of the best macavg-F1 & Accuracy scores respectively

SL No.	Participants	Score
1	Sai Ruthvik, Shankha Subhra Saha	0.986,0.963
2	Parashmani Datta, Athish Sivakumaran	0.983,0.956
3	Darshan kumar	0.983,0.951
4	Saminathan C, Vanchit Visanth M S, Sahishnuram S	0.969,0.922
5	Siddharth Roy, Sarfraz Ahmed	0.954,0.892
6	Gaurav Singh, Sakshi	0.95,0.863
7	Ayaan Qureshi, Nikhil Maurya	0.938,0.861
8	Shiva Kumar	0.917,0.833
9	Rohit Satheesh, Mohit Kumar	0.888,0.79
10	Saravanan K, Stuti Bahuguna	0.886,0.783
11	Arka Dash, Nimish Shinde	0.82,0.713
12	Manaswita Mandal, Debapriyo Saha	0.805,0.697

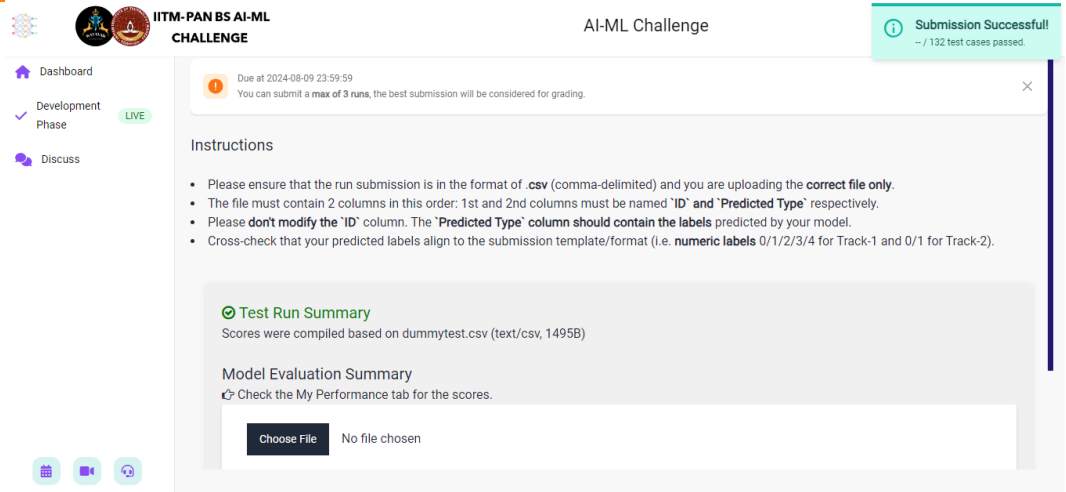
Note: In descending order of the best macavg-F1 & Accuracy scores respectively

Our Portal!



Our Dashboard

Our Portal!



Testing & Submission Phase

"Without data, you're just another person without an opinion"

W. Edwards Deming

Thank You!