



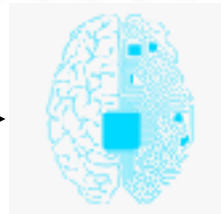
Problem Statement

- ❖ GenZ Spends 4.5 Hr/Day ~ 6 years 8 months
- ❖ Associated Problems
 - Anxiety (43% of US Adults)
 - Depression
 - Loneliness
 - Sleep Problems
 - Suicides! (Child Suicide up by 150% - Girls Self Harm 3x)



Ref: <https://etactics.com/blog/social-media-and-mental-health-statistics>

Spark



Solution and System Design

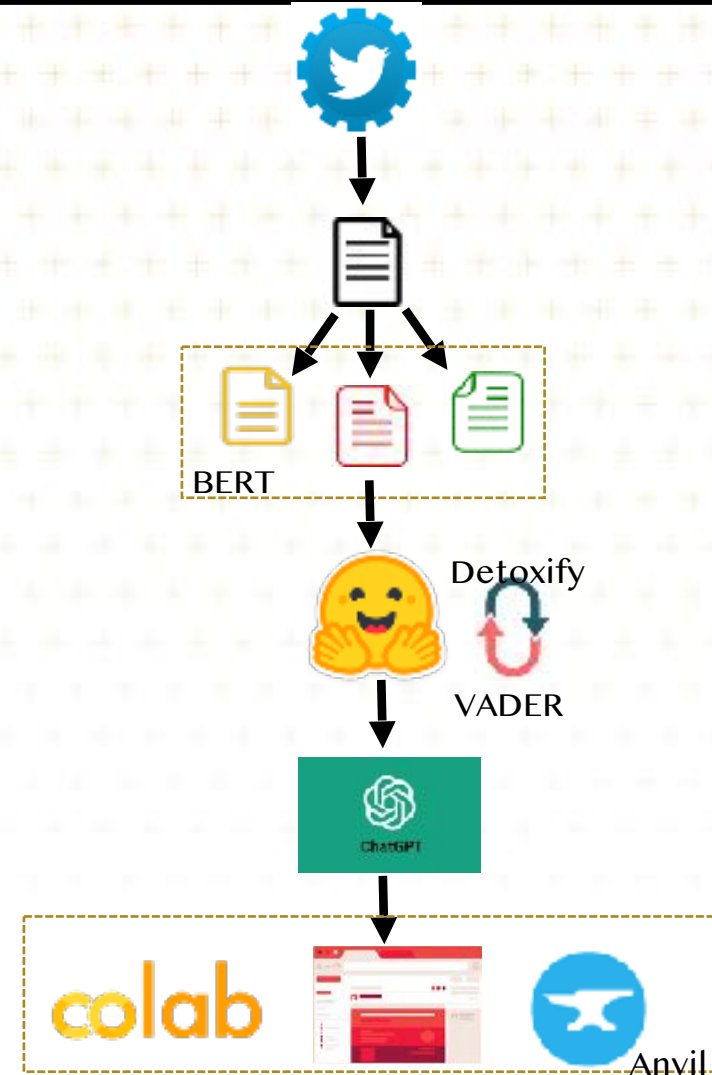
Design

- ❖ 64% of GenZ are taking a break
- ❖ Roughly 60% users are consumers
- ❖ Reduce Active Screen Time, How?
- ❖ System Design
 - Fetch fresh tweets from feed
 - Classification into categories like news etc.
 - Category summarization via language models like ChatGPT

Redefined Scope

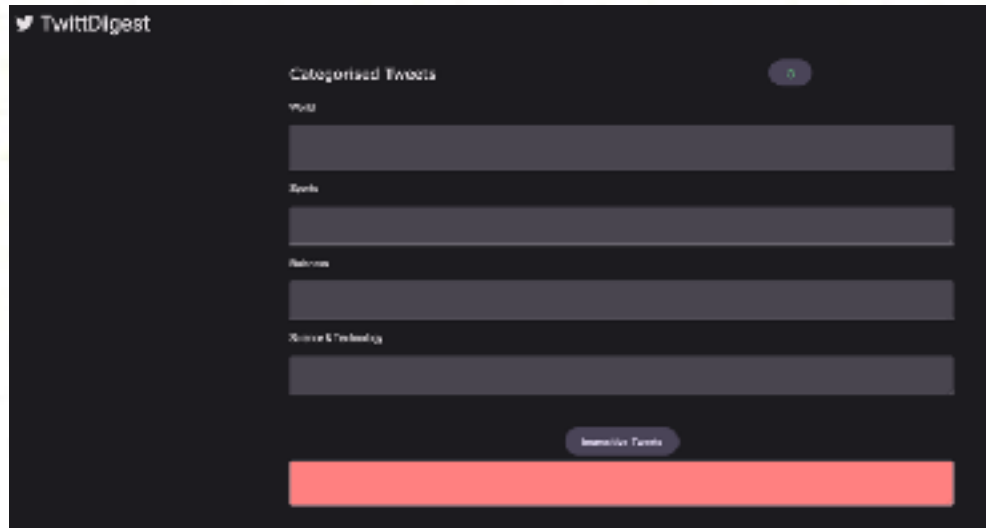
❖ System Flow

- Fetch fresh tweets + comments
- Categorize into different categories
- Two step filtering approach
- Main tweet analysis i.e. threat, toxicity, insult etc.
- Reinforce via 2nd step comments polarity check i.e. (positive, negative, neutral)
- Summaries filtered categories
- UI for summarized and filtered out tweets





UI and Demo



Conclusion and Future Work

- Potential tool to fight issues like screen time, anxiety and depression
- Alternate way to use social ?
- Custom models and other meta data incorporation
- Fake news and propaganda tracking – demographics data

