

# *Abstract*

Over the years, with the rise in digitization, people have embraced online means for investing money. This led to creation of a lot of text data relating to finance. It is also note-worthy that the global financial literacy rate is just 33%.<sup>1</sup>. Improving financial literacy leads to financial well-being of the people and in-turn results in economic prosperity of the world. Thus, we leverage Computational Linguistics, Natural Language Processing, and Artificial Intelligence to process financial text data for social good. Our objective is to make the process of investing: Inclusive, Improved, Impactful, and Informed. In this thesis, we cover the following themes.

- **Inclusive Investing:** Making financial texts more readable and reachable for the common people
- **Improved Investing:** Simplifying the investment process by extracting hypernyms and relation between entities
- **Impactful Investing:** Trying to balance between risk, return, and impact on environment by understanding sustainability, and ESG aspects of investment instruments
- **Informed Investing:** Filtering authentic information from false information spread across various media platforms

In addition to this, we focused specifically on helping Indian investors (**Indic Investing**) and developed several **FinNLP related tools** to ease the life of investors.

<sup>1</sup>[https://gflec.org/wp-content/uploads/2015/11/Finlit\\_paper\\_16\\_F2\\_singles.pdf](https://gflec.org/wp-content/uploads/2015/11/Finlit_paper_16_F2_singles.pdf)  
(accessed on 17<sup>th</sup> September, 2023)