

## A WEB SCRAPING APPROACH TO INSTAGRAM NETWORK ANALYSIS

Kowshikaa.K.S

20MIA1110, MTech CSE Business Analytics  
Vellore Institute of Technology, Chennai, Tamil Nadu, India

Sruthi.M

20MIA1141, MTech CSE Business Analytics  
Vellore institute of technology, Chennai, Tamil Nadu, India

Jai ganesh.S

20MIA1055, MTech CSE Business Analytics  
Vellore institute of technology, Chennai, Tamil Nadu, India

This project aims to develop a comprehensive understanding of social media users' connections and trust within networks using machine learning models. The significance of model interpretability has garnered substantial interest in recent years, especially in the realms of data science and machine learning. This interest is particularly heightened in applications related to social media influencers, such as Instagram influencer network analysis through web scraping. Interpretability, in this context, pertains to the capacity to elucidate and comprehend the decisions and predictions generated by machine learning models. This capability not only enhances trust in the models but also enables stakeholders to derive actionable insights effectively.

