NARASARAOPETA ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2023-2024

Batch Number	CG1
Team Members	P. Venkata Deepthi(20471A05G9) S. Thejita Lasya(20471A05I7) M.Saraswathi(20471A05G1)
Guide	Dr.S.N.Tirumala Rao,MTech,Ph.D
Title	Fake Profile Identification Using Machine Learning
Domain/Technology	**MACHINE LEARNING**
Dataset Link	https://www.kaggle.com/datasets/whoseaspects/genuinefake-user-profile-dataset/
Base Paper Link	https://ieeexplore.ieee.org/document/10150753
Software Requirements	Browser : Any Latest browser like Chrome Operating System. : Windows Language :python Platform :GoogleCOLAB
Hardware Requirements	Processor : Pentinum IV or higher Speed :2.4GHz RAM : 8GB(gigabyte) System Type: 64-bit operating system, x64-based processor
Abstract	Platforms for social media like Facebook, Twitter, Instagram, and others have a big impact on our lives. All across the world, people are actively engaged in it. But, it also needs to address the problem of false profiles. Fake accounts are regularly made by people, software, or machines. They are employed in the spread of rumors and illegal actions like phishing and identity theft. This project uses several machine learning techniques to discriminate between fake and authentic profiles on various online platforms.In this section, the author talks about neural networks, LSTM, XG Boost, and Random Forest. The important traits are picked to judge the veracity of a social media page. The architecture and hyperparameters are also discussed. Lastly, after the models have been trained, results are generated. As a result, the output is 0 for true profiles and 1 for fake profiles. It is possible to disable or delete a fake profile when it is found, preventing cyber security issues.

Signature of the team members **Signature of the Guide** **Signature of the project coordinator**