



PANIMALAR ENGINEERING COLLEGE

Chennai – 600 123

Department of Computer Science & Engineering

CS 8811 - Project Work (2021 -2022)

ZEROth REVIEW FORM

TITLE OF THE PROJECT

Identification of vulnerable activities and co-visitation behavior

ABSTRACT

Personalized recommender systems are pervasive in different domains, ranging from e-commerce services, financial transaction systems to social networks. In reality, recommender systems can also be deliberately manipulated by malicious users due to their fundamental vulnerabilities and openness. The detection and prevention of these malicious threats including profile injection attacks and co-visitation injection attacks is constrained by the challenging issues. We develop a unified detection approach named IMIA-HCRF, to progressively discriminate malicious injection behaviors for recommender systems. First, disturbed data are empirically eliminated by implementing both the construction the proposed IMIA-HCRF outperforms all baselines on various metrics.

TECHNOLOGY

Jupyter Notebook, Python

LIST OF REFERENCES

- [1] Identification of malicious injection attacks in profile injection and co-visitation behaviors in on product reviews