**CONCLUSIONS**

In this paper, we propose FAHGT, a novel heterogeneous graph neural network for fraudulent user detection in online review systems. To handle inconsistent features, we adopt heterogeneous mutual attention for automatic meta path construction. To detect camouflage behaviors, we design the label aware scoring to filter noisy neighbors. Two neural modules are combined in a unified manner called “score head mechanism” and both contribute to edge weight computation in final feature aggregation. Experiment results on real-world business datasets validate the excellent effect on fraud detection of FAHGT. The hyper-parameter sensitivity and visual analysis further show the stability and efficiency of our model. In summary, FAHGT is capable of alleviating inconsistency and discover camouflage and thus achieves state-of-art performance in most scenarios. In the future, we plan to extend our model in handing dynamic graphs data and incorporate fraud detection into other areas, such as robust item recommendation in E-commerce or loan default prediction in financial services.