

## CERTIFICATE OF AUTHORSHIP

### Instructions

- Download and fill this PDF form completely.
- Each course requirement submission, unless otherwise specified by the Course Instructor, whether in electronic or paper form, must be accompanied by a corresponding properly accomplished Certificate of Authorship.

### Description of Submission

**Title of Submission:** CSCI114\_FinalProject\_Group3

**Type of Submission:** ☐ Program ☒ Project ☐ Report ☐ Paper ☐ Lab Activity

**Date of Submission:** December 07, 2024

### Certification

**We hereby certify that the submission described in this document abides by the principles stipulated in the DISCS Academic Integrity Policy document. We further certify that we are the authors of this submission and that any assistance we received in its preparation is fully acknowledged and disclosed in the documentation. We have also cited all sources from which we obtained data, ideas, or words that are directly copied or paraphrased in this document. Sources are properly credited according to accepted standards for professional publication.**

Ahmed, M., Mahmood, A. N., & Hu, J. (2016). A survey of network anomaly detection techniques. Journal of Network and Computer Applications, 60, 19-31.

Chandar, R., & Alwan, A. (2019). High Cardinality Features in Machine Learning: A Practical Guide to Learning from Large-Scale Datasets. Springer.

C. S. Hodge, J. Austin, and P. C. Neumark (2007). Mining for Fraudulent Insurance Claims: A Survey of Methods, Challenges, and Applications. Proceedings of the 13th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining.

He, H., & Wu, D. (2017). Imbalanced learning: foundations, algorithms, and applications. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 7(6), 252-274.

Ngai, E. W. T., Hu, Y., Wong, Y. H., Chen, J. V., & Sun, X. (2011). The application of data mining techniques in financial fraud detection: A review and a new framework. Expert Systems with Applications, 38(12), 14680-14690.

### Declaration of Use of Generative AI

**Tool:**

**Purpose:**

**We have reviewed and revised the content as we see fit. We take full responsibility for the content and ownership of the submitted / published work.**

### Group Information

Full Name

Signature

Juliana Ysabelle S. Valdez



**Course Code & Section**

CSCI114 - ST1

**Course Title**

Pattern Recognition

**Course Instructor**

Sir Paolo G. Dano

