CS4047: In-Course Assessment

Konrad Dryja - 51552177
University of Aberdeen
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***Abstract*— Lorem Ipsum**

I. INTRODUCTION

Bio-inspired computing is an ever-expanding area within computer science attempting to apply concepts that we observe in nature and in living organisms to modern algorithms in order to improve their efficiency and accuracy. The combination of efforts by scientists from different departments - such as biology (Genetic Algorithms) or sociology (Particle Swarm Optimisation) - enabled current techniques to learn from their mistakes and adapt to the changing circumstances & environment. I strongly believe that introduction of such methods into our company would help us tackle problems such as stock prediction [1] or improving our current Machine Learning efforts - with the ultimate target of increasing the profit potential. In this report, I would like to bring our attention to two of the most common approaches: Artificial Immune Systems and Artificial Neural Networks, where I will explain the potential application and how useful they could be for our business.

II. PROPOSED TECHNOLOGIES

A. Artificial Immune System aim at 150 words

Artificial Immune System (AIS) draws directly from biology of humans' (and not only) immune systems. Our bodies are

1) Strengths aim at 150 words: Lorem ipsum
2) Weaknesses aim at 150 words: Lorem ipsum
3) Applications aim at 150 words: Lorem ipsum

B. Artificial Neural Networks 150 words

Lorem ipsum

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2) Weaknesses aim at 150 words: Lorem ipsum
3) Applications aim at 150 words: Lorem ipsum

III. COMBINATIONS - AIM AT 150 WORDS

Lorem ipsum

IV. CONCLUSIONS - AIM AT 200 WORDS

Lorem ipsum[1]

REFERENCES

[1] M Gunasekaran and KS Ramaswami. Evaluation of artificial immune system with artificial neural network for predicting bombay stock exchange trends. *Journal of Computer Science*, 7(7):967–972, 2011.