INFORMATICS INSTITUTE OF TECHNOLOGY

In Collaboration with

UNIVERSITY OF WESTMINSTER

FairMLancer:

Dynamic Resource Allocation and Fairness Optimization in Decentralized Systems for Machine Learning Freelancing

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ABSTRACT

By utilizing game theory and the iterative proportional fitting technique, the research abstracts the intricacies of machine learning-based freelance hiring platforms. It streamlines the process of job allocation and remuneration distribution through this abstraction, with the goal of creating a fair and transparent environment for freelancers and customers. The project provides a greater degree of abstraction by concentrating on the optimization of these crucial features, allowing for efficient and unbiased decision-making. This abstraction helps to the overarching objective of increasing the efficacy and equality of freelance employment platforms, helping both freelancers and customers in the machine learning area.