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XIA: Machine Learning based Mobile Application to Identify Children with Dyslexia

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W1829285 / 20200636

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Submitted in partial fulfilment of the requirements for the MSc in Advanced Software

Engineering degree at the University of Westminster.

September 2022

Abstract

Dyslexia is a learning disorder which requires to be identified in the early stage of the children. Early detection of dyslexia helps the doctors to fasten the diagnosis process and it will help the children in the long run. Machine learning could be seen on the domain of healthcare and education widely. This research also focuses on those domains. Also, this research will finally a provide a novel solution using a RBF network which will identify children with dyslexia.

The purpose of this research is to identify children with dyslexia at an early age using a mobile application. The mobile application will have a gamified experience and a will detect the child's condition using machine learning.

Keywords: Radial Basis Function Networks, Machine Learning, Dyslexia