**A Final Year Research Project On:**

**Predicting Price Fluctuations of Cryptocurrencies Using a Temporal Convolutional Network**

**Presented To**

**The School of Computer Science and Information Technology.**

**University College Cork**

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Abstract

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For people who have only time to read one page (100 words)

Advert for the rest of the report: after reading this they should know if they are interested or not.

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The ability to send money without any interference from a third party almost instantly while being assured that the transaction will be secure, transparent and immutable.

Just a couple of reasons why cryptocurrency utilising blockchain technology has gained immense popularity over the past decade. It is no secret then, why Price forecasting for cryptocurrency has become a trending research topic globally.

Despite the various factors that contribute to cryptocurrencies volatile behaviour, many machine learning and deep learning networks have been used to predict cryptocurrency prices with great accuracy.

In this project I used a Temporal Convolutional Network to predict the fluctuations of cryptocurrency by using time-series data from past inflations.

\*\*Results\*\*

Models such as this one, can be very important for investors, as they are always on the search for tools and techniques that would increase profit and reduce risk.

I believe this type of crypto fluctuation prediction is a conversation that can be shared among various different disciplines, including Computer Science, Mathematics, Data Science and Economics.