**Fintech Project II Proposal**

**Title:**

Sleep & Earn Crypto Trader

**Team Members:**   
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**Description:**

A machine learning algorithm that successfully trades cryptocurrency by using a combination of market indicators (such as MACD, SMA, Alligator, RSI, CCI, VWAP, Supertrend, etc.) to maximize returns, while minimizing maximum drawdown. To ensure the models work for a range of crypto we will backtest on two large value coins (BTC,ETH), two mid-sized coins (AVAX,BAT) and two small tokens (LINK, MATIC). We will also test on different time intervals (15m, 1hr, 4hr, and 1d).

**Research Question:**

Can a machine learning algorithm consistently yield positive returns for cryptocurrency day trading, by executing buy and sell trades based on a confluence of market indicators?

**Datasets:**Alpaca dataset

**Technology:**

Colab

**Tasks:**

Determine, obtain and cleanup data, visualizations, documentation, presentation.