Cryptocurrency trading bot

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0.1 Introduction

The main idea of the project is a cryptocurrency trading bot developed to perform automated trading strategies.

0.2 Objectives

- To let the automated trading bot generate passive income for the user.

- Use pattern recognition to set a take profit and stop loss.

- Connect the API to online cryptocurrency platform, for example, Binance, bitget, etc.

0.3 Scope

- Application Programming Interface (API).

- Pattern recognition combined with machine learning for decision making from the history of cryptocurrency.

0.4 Expected Result

- Fully automated trading bot combined with machine learning that helps our bots make decisions.

0.5 Timeline

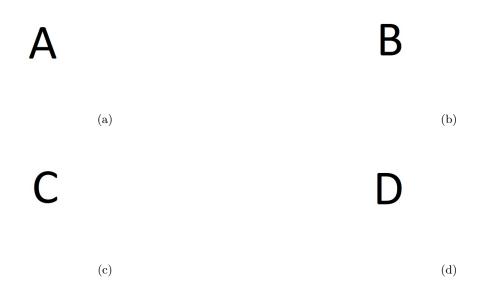| Plan	Timeline											
	2023								2024			
	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1. Study XXX	■											
2. Chapter 1	■											
3. Chapter 2		■										
4. Literature Review			■									
5. Chapter 3			■	■								
6. ...												
7. ...												

Figure 1: A senior project timeline

0.6 subplot

A

B

(a)

(b)

C

D

(c)

(d)

Figure 2: *(a) Pic A, (b) Pic B, (c) Pic C, (d) Pic D*