AutoCon: Automated Generation of Smart Contracts via GUI

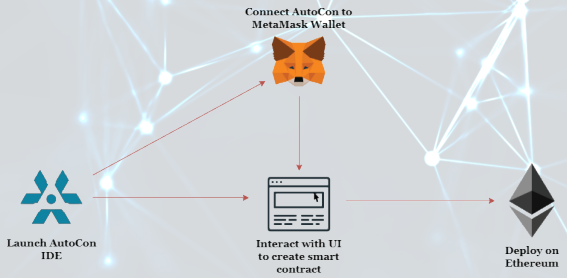
INTRODUCTION

The field of blockchain technology has been rapidly expanding in recent times and smart contracts have emerged as a significant breakthrough in this domain. Smart contracts are self- executing computer programs that execute the terms of a contract over blockchain when certain conditions are met, thereby offering transparency and tamper-proof features. From simple payment transactions to complex supply chain management, smart contracts have a vast array of applications. However, the main challenge associated with smart contracts is the need to learn the respective programming languages, which can be a daunting task for non-technical individuals.

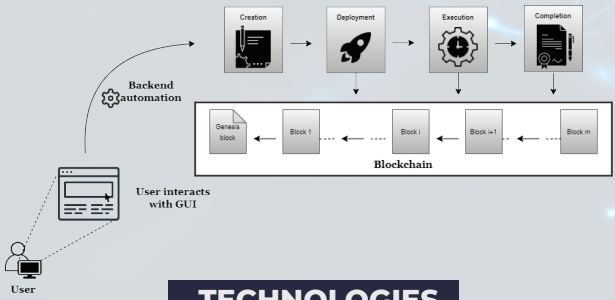
GOAL

To address this issue, this final year project introduces "AutoCon: Automated Generation of Smart Contracts via GUI". The project aims to simplify the creation of smart contracts by allowing users to generate them through a drag-and-drop interface provided by a web application. The project is designed to conserve time and provide ease of use for both technical and non-technical users. By automating the process of smart contract creation, this project aims to make it accessible to a broader audience.

WORK FLOW



SMART CONTRACT LIFE CYCLE



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