



TEAM KAPSTONED

Smart Contract Vulnerability Classification

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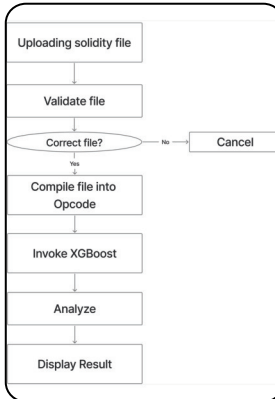
Background & Information

Smart contracts enable decentralized, transparent transactions. Vulnerable to attacks like Reentrancy and integer errors. Manual audits are slow and error-prone. High contract deployment demands automated, scalable audits.

Objectives

Develop an ML system to detect and classify Ethereum smart contract vulnerabilities. Achieve $\geq 85\%$ accuracy across multiple vulnerability types. Provide a fast web interface for users to upload contracts and get results. Map findings to the Smart Contract Weakness (SWC) Registry for trust and clarity.

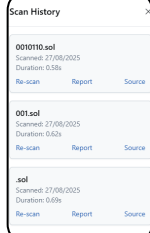
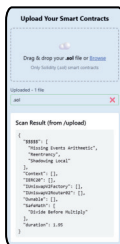
Methodology & Architecture



Results

Upload Your Smart Contracts

Drag & drop your **.sol** file or [Browse](#)
Only Solidity (.sol) smart contracts



Conclusion

Our system uses ML on opcodes to detect Ethereum smart contract vulnerabilities, delivering fast, scalable, and user-friendly security with strong real-world accuracy