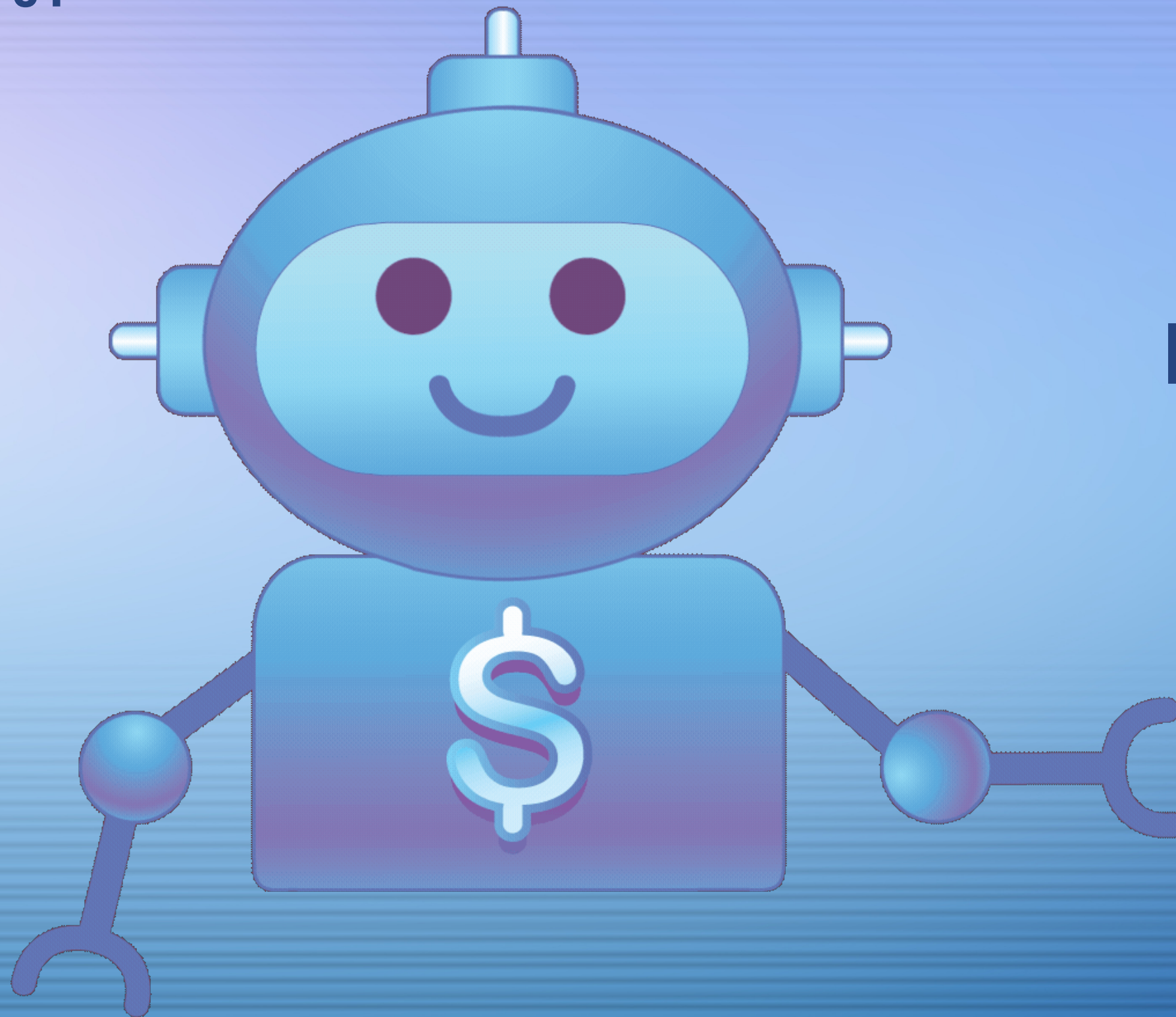




INTRODUCTION TO BLOCKCHAIN & SMART CONTRACTS

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Guide:
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WELCOME TO BLOCKCHAIN



WELCOME TO BLOCKCHAIN

- Introduction to blockchain and its impact
- Importance of learning blockchain and smart contracts





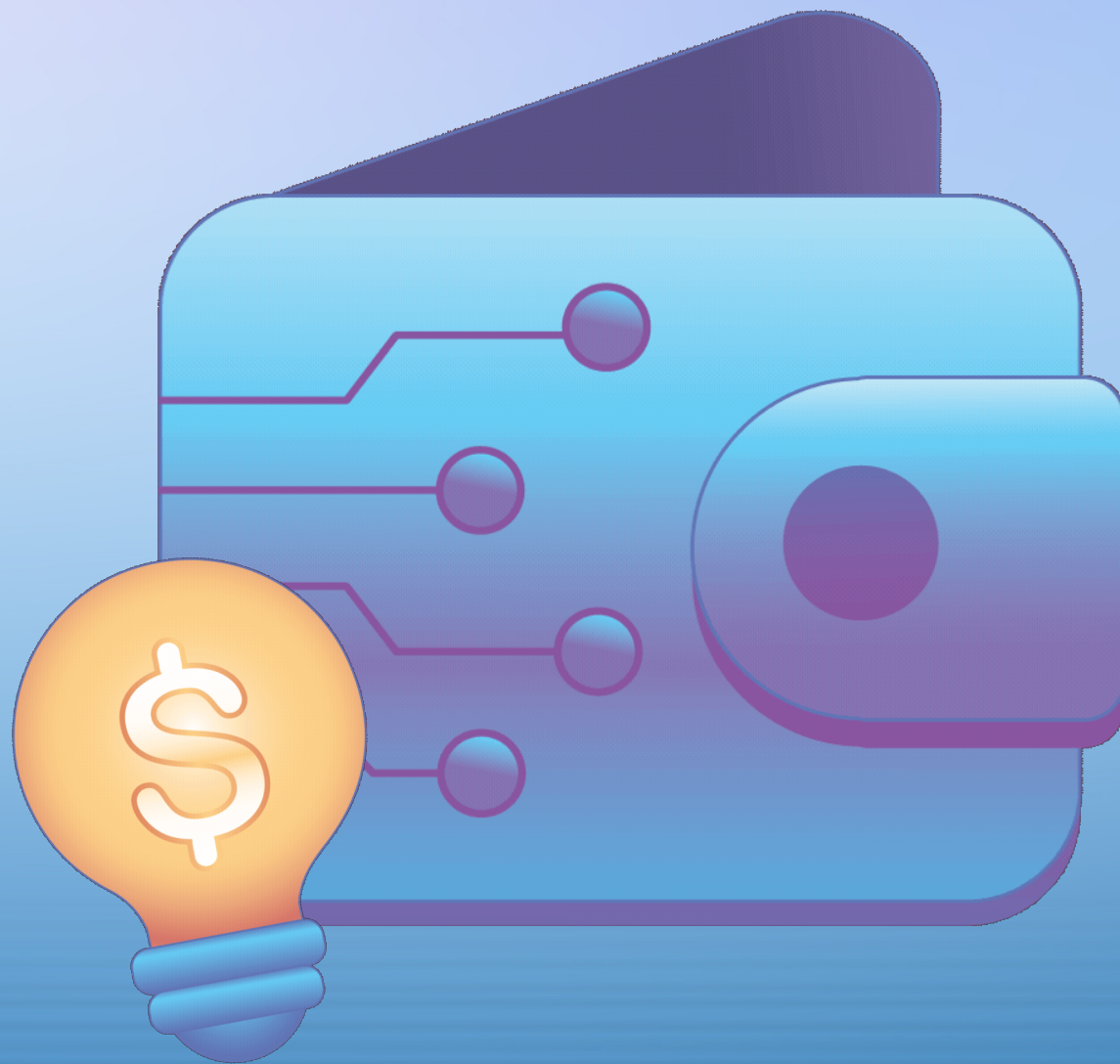
BLOCKCHAIN BASICS

BLOCKCHAIN BASICS

- Introduction to Bitcoin and Ethereum
- Decentralization and consensus mechanisms
- What are Smart Contracts?
- Introduction to Ethereum and Solidity
- Importance of decentralized applications (dApps)

THE PURPOSE OF SMART CONTRACTS

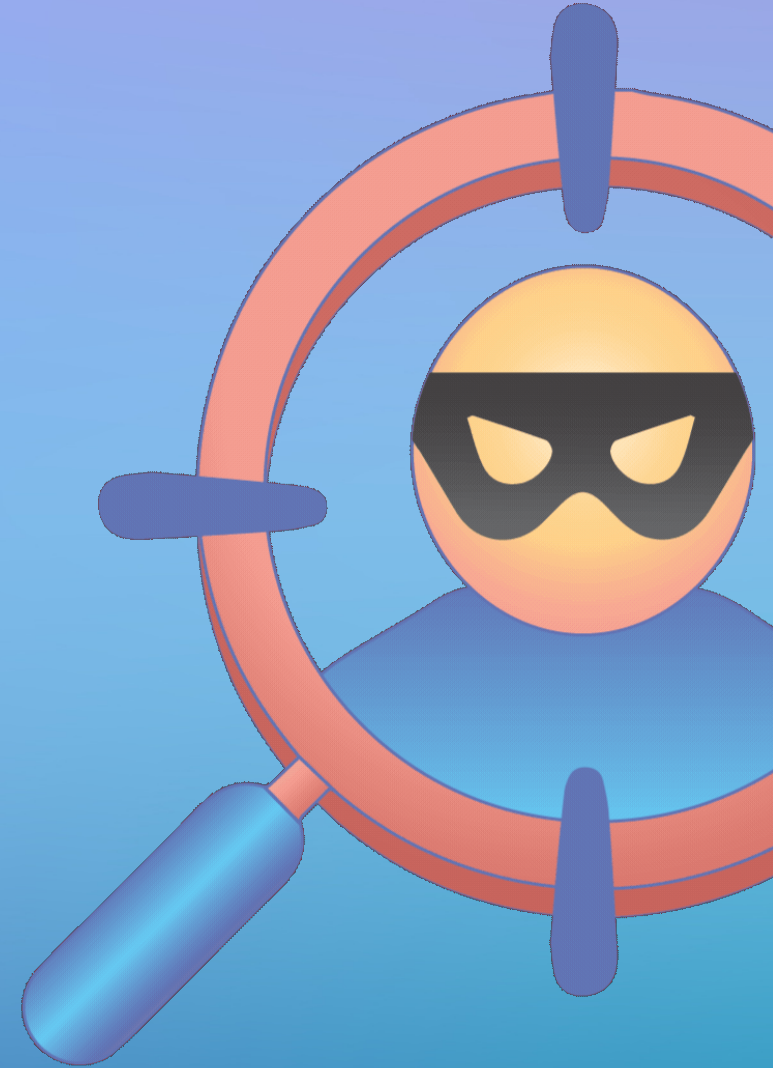




WHY SMART CONTRACTS?

- **Trust-minimized agreements & unbreakable promises**
- **How smart contracts prevent fraud (McDonald's Monopoly example)**
- **Transparency, efficiency, and security benefits**

YOUR FIRST TRANSACTION



SETTING UP AND MAKING TRANSACTIONS

- **Setting up Metamask and securing your wallet**
- **Testnets and their purpose**
- **Sending transactions using Metamask**



GAS: INTRODUCTION TO GAS FEES

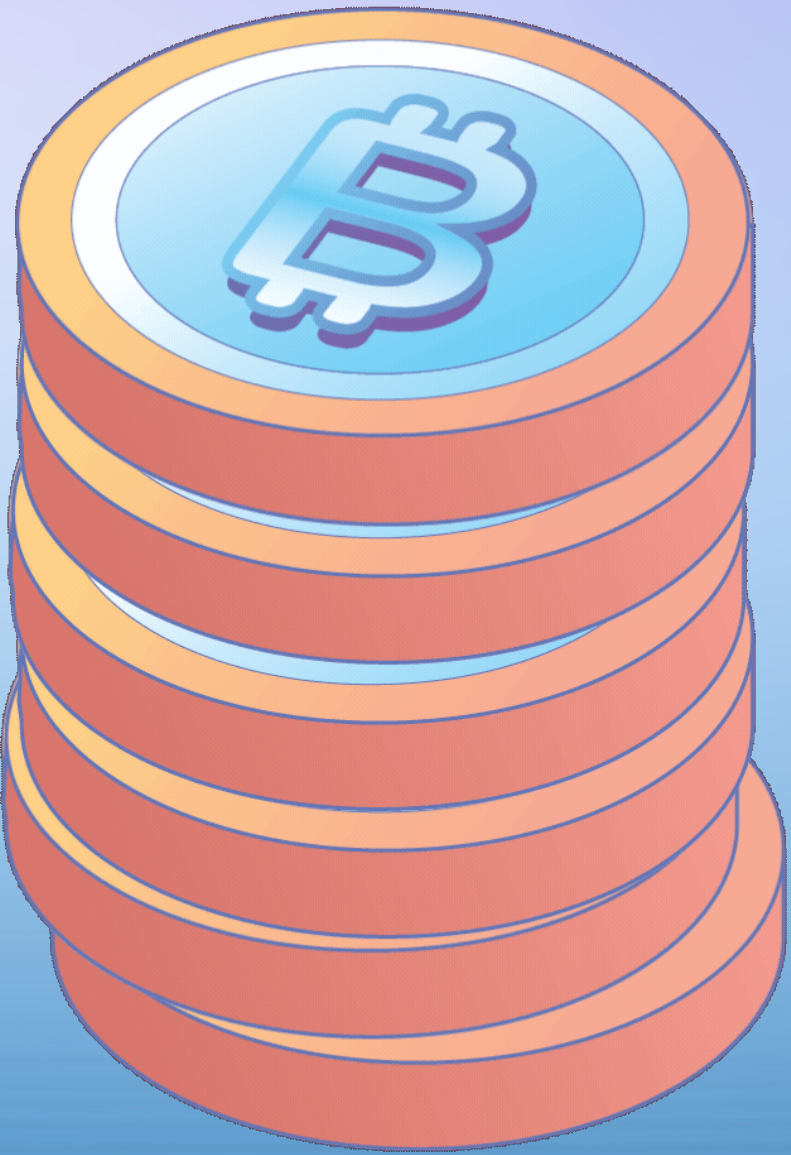
WHAT IS GAS?

- **Concept of Gas in Ethereum**
- **Gas limits and gas prices**
- **How gas fees are calculated**
- **Why gas fees fluctuate and how to optimize costs**





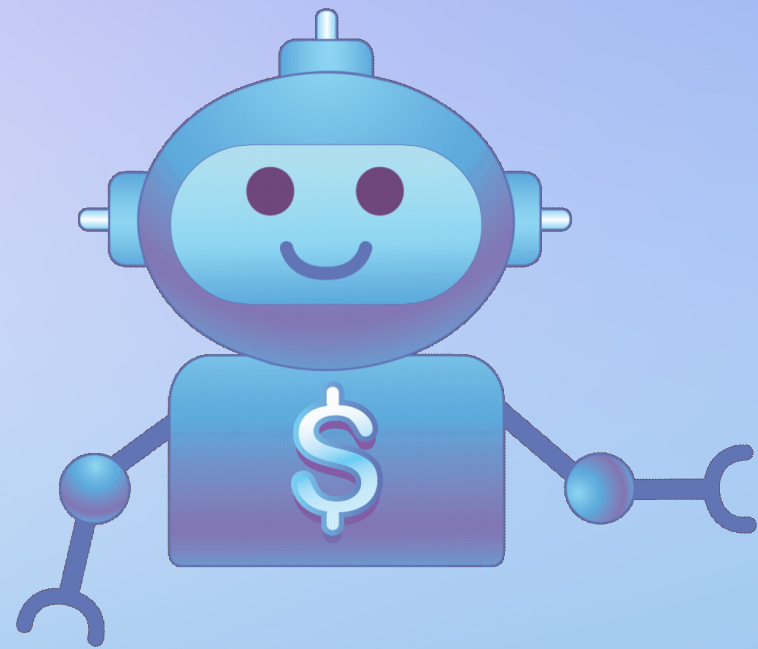
HOW DO BLOCKCHAINS WORK?



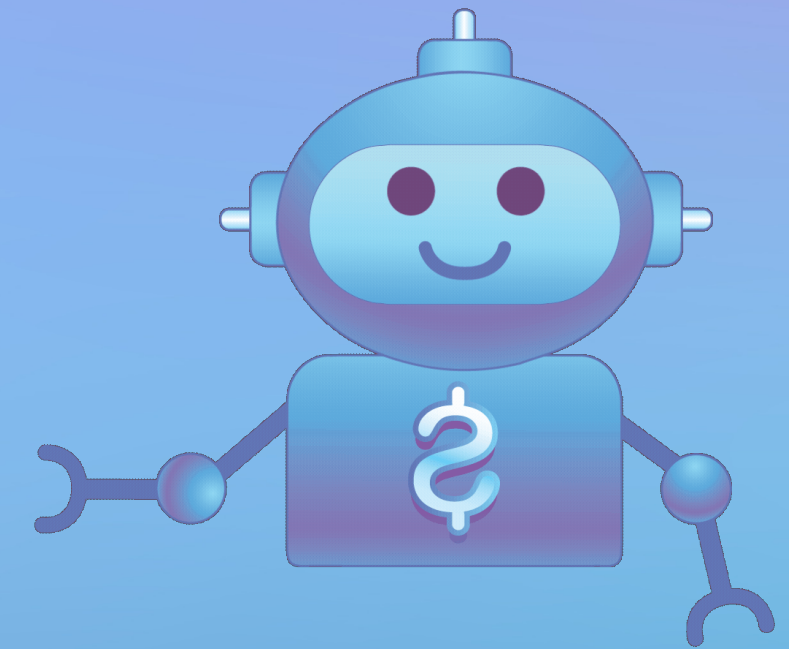
BLOCKCHAIN FUNDAMENTALS



- Hashing and SHA-256
- Understanding blocks and mining
- The concept of decentralization
- How nodes validate transactions
- Public and private keys for secure transactions



THANK YOU!



Thank you for exploring the world of
blockchain with us!

