

QubiLearn

Learn. Build. Earn. Unlock the Qubic  
Blockchain







# Project Overview

- QubiLearn is a full-featured educational platform for the Qubic blockchain.
- Users can learn C++ smart contracts, take quizzes, get AI-powered help, and deploy contracts.
- Includes a no-code smart contract builder: QubiBuilder.






## Problem & Motivation

- Blockchain learning curves are steep—especially with C++ and Qubic's unique architecture.
- Qubic lacks beginner-friendly tooling and structured educational platforms.
- We aim to make smart contract development accessible and practical.

## Key Features

-  Guided course modules (beginner to advanced)
-  Quizzes and interactive learning
-  Live code editor with deploy functionality
-  AI-powered tutor assistant (GPT-4)
-  QubiBuilder: Visual no-code contract builder
-  Badge + progress system with SBTs





# QubiBuilder - No-Code Contract Builder

-  Build smart contracts visually (Token, Voting, Oracle)
-  Live C++ code generation
-  Real Qubic deployment supported
-  Save/load contract drafts
-  AI help for contract logic

# Architecture

- Frontend-only (React + TypeScript)
- Real Qubic RPC used for contract deployment
- AI via OpenAI GPT API
- Code simulation and editing with Monaco Editor
- Progress tracked via localStorage

## Impact & Future Vision

-  Onboard new devs faster into the Qubic ecosystem
-  Become the official learning portal for Qubic
-  Expand to support more contract types and real user profiles
-  Collaborate with Qubic Foundation and community

## Team & Acknowledgements

- Built by team Ghost
- With support from the Qubic open-source community
- Resources used: Qubic Docs, Qubic RPC examples, OpenAI API
- Thank you for reviewing our hackathon project!