



## Zulkefal Z

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### ABOUT ME

Passionate **Blockchain Developer** with a strong focus on building secure, efficient, and scalable smart contract solutions across EVM-compatible chains. I'm actively involved in the **CodeHawks audit community by Cyfrin**, where I continuously improve my skills through real-world smart contract audits and collaborative security reviews. Always eager to push the boundaries of decentralized technology and deliver impactful blockchain-based solutions.

### WORK EXPERIENCE

**Quecko Inc** – Islamabad, Pakistan

City: Islamabad | Country: Pakistan

#### Blockchain developer

[ 01/09/2024 – Current ]

Developed smart contracts using **Solidity** for various decentralized applications.  
Wrote comprehensive tests using **Foundry** to ensure contract reliability and security.  
Deployed contracts across multiple **EVM-compatible blockchains**, including testnets and mainnets.  
Integrated **Uniswap** for on-chain token swapping and liquidity operations.  
Implemented **ECDSA** signatures and **Merkle Proofs** for secure user whitelisting and validation.  
Built cross-chain functionalities to **bridge tokens between different blockchains**.  
Enabled contracts to **accept and handle multiple EVM tokens**, improving flexibility for users.

**Cyfrin** – remote, Pakistan

City: remote | Country: Pakistan

#### Smart Contract Audits (Cyfrin CodeHawks Competitions)

- **Dating App Audit**
  - Participated in Cyfrin's CodeHawks audit contest
  - Identified **4 valid vulnerabilities**.
  - Submitted detailed reports with recommendations for fixes
- **Christmas Dinner Audit**
  - Discovered **1 critical issue** related to smart contract logic
  - Contributed to improving the overall security and efficiency of the protocol

**Web3Learn** – Remote, Pakistan

City: Remote | Country: Pakistan

#### Smart Contract Developer Intern

[ 07/07/2023 – 07/09/2023 ]

Learned how to write smart contract and deploy on blockchain

**Google Developer Club** – Kamra, Pakistan

City: Kamra | Country: Pakistan

## Technical Team Member

[ 15/08/2022 – 15/08/2023 ]

Organized several Events on technology.

## PUBLICATIONS

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[2024]

### **NFT Based Degree Issuance and Verification System (Bachelors Thesis)**

Designed and implemented a blockchain-based framework for secure and tamper-proof academic credential management. The system enables HEC-recognized universities to issue **ERC-721 NFT degrees**, inherently verified by the Higher Education Commission (HEC). Student data is stored on **IPFS** with mirrored Azure SQL records, ensuring decentralization and accessibility. The framework eliminates manual verification, reduces cost and time, prevents forgeries, and allows instant verification by employers and institutions.

Link: <https://drive.google.com/file/d/1sjXzp7quYNe5VByxj713sCLBAp1FFN06/view>

## EDUCATION AND TRAINING

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### **Bachelors in Computer Science**

*Air University Aerospace and Aviation Campus Kamra* [ 15/09/2020 – 15/06/2024 ]

City: kamra | Country: Pakistan | Website: <https://aack.au.edu.pk/>

## LANGUAGE SKILLS

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**Mother tongue(s):** Urdu

**Other language(s):**

**English**

**LISTENING C2 READING C2 WRITING C2**

**SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## SKILLS

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Solidity / Foundry / Uniswap / WormHole / LayerZero / GIT / Communication / Critical Thinking / Problem Solving