

Zohaib Shaikh

Am Gardenkamp 51, 44227
Dortmund, North Rhine-Westphalia,
Germany
(Open to Relocation)
+4915757092786
zohaib10092001@gmail.com

Github: github.com/mzurs
LinkedIn: linkedin.com/in/zohaib-s-33002a1b5
Portfolio: mzurs.vercel.app

Skills

PROGRAMMING LANGUAGES

Python | TypeScript | JavaScript | Rust | Solidity | C | C++ | Assembly | Shell | SQL | GraphQL

FRAMEWORKS, OS, AND RUNTIME ENVIRONMENTS

NodeJS | Linux | NextJS | Hardhat | Foundry | Ethereum (EVM) | FastAPI

TOOLINGS, PLATFORMS, AND LIBRARIES

PyTorch | TensorFlow | Postman | Git | Docker | MySQL | Amazon Web Services | Artificial Intelligence (AI) | Machine learning (ML) | Deep learning | Blockchain

Experience

AI AGENT DEVELOPER (INTERNSHIP) | EFFORTS SOLUTIONS IT

04/2025 - 06/2025, Abu Dhabi, United Arab Emirates (Remote)

- Developed advanced AI agents for real-world applications through innovative projects and research.
- Designed 3 AI agent solutions addressing critical business challenges, aligned with market trends.
- Researched high-impact AI agent applications, prioritizing user benefits and measurable outcomes.
- Collaborated with teams to build scalable AI solutions adhering to industry standards.
- Enhanced skills in AI agent architecture, ethical design, and user-focused development.

SOFTWARE ENGINEER | AEGIS FINANCE

08/2023 - 01/2025

- Developed a decentralized exchange on the Internet Computer (ICP) blockchain, supporting over 10 financial instruments, including trading, deposits, withdrawals, and staking for digital assets like ICP, BTC, and ETH.
 - **Website:** aegisfinance.xyz
 - **Source Code:** github.com/AegisFinance/aegis
- Created InheritX, a blockchain-based digital will platform for digital assets, enabling secure inheritance for users in France with INSEE numbers
 - **Website:** inheritx.aegisfinance.xyz
 - **Source Code:** github.com/AegisFinance/InheritX

PAK-DIGITAL RUPEE PROJECT | FINAL YEAR PROJECT - FAST (NUCES)

08/2022 - 05/2023

- PKDR Finance, a Web 3.0 application for Central Bank Digital Currencies

- Implemented financial services including peer-to-peer transfers, deposits, withdrawals, identity verification, and real-time fraud detection.
- Leveraged ledger technology for enhanced security and risk mitigation.
- Enforced robust security measures, including Multi-Signature approvals.
- Integrated AI models to combat money laundering and illicit activities.

CRYPTO ANALYST | BLOCKTORIA

07/2021 – 06/2022, LONDON, UNITED KINGDOM (REMOTE)

- Analyzed blockchain protocols, cryptographic algorithms, and dApps for performance and scalability using data-driven insights.
- Identified undervalued crypto projects by analyzing on-chain data, market trends, and KPIs.
- Set up and managed data pipeline for crypto metrics, used by 2,000+ subscribers.
- Worked with teams to improve blockchain research and products with data insights.

Education

MASTER IN DATA SCIENCE | Technische Universität Dortmund

2025- PRESENT, DORTMUND

- Studying advanced machine learning techniques, including deep learning and neural networks.
- Studying Big Data analysis and the applications of data science in computer vision and natural language processing

BACHELOR OF COMPUTER SCIENCE | National University of Computer and Emerging Sciences - FAST (NUCES)

2019-2023, KARACHI

- Gained expertise in AI/ML, including search algorithms, knowledge representation, and practical machine learning applications.
- Mastered advanced data structures and algorithm design for efficiency and complexity analysis.
- Studied operating systems, computer architecture, networking, and blockchain technologies.
- Completed a capstone project on blockchain-based financial applications, integrating AI for security.

Certifications

Modern Database Systems (09/2024) | Information Security (08/2024) | DevOps on AWS (07/2023) | Bitcoin for Developers (01/2023) | Blockchain Fundamentals (09/2022) | Introduction to Git and GitHub (09/2022) | Trading, Machine Learning & GCP (08/2021)

Management & Leadership Skills

I co-lead the Blockchain Competition at PROCOM'23. The PROCOM'23 hosted a two-day blockchain competition at the National University of Computer and Emerging Sciences (FAST NUCES). Students and teams from various universities participated, vying for certificates and prize money.

Language Skills

- English: C1
- Urdu: C1