

# Shahid Abbas

Vienna | Austria +43-660-1436945shahid.abbas@abc-research.at

Google Site | in LinkedIn



Google Scholar

## Education \_

# MS in Computer Science (Transcript)

COMSATS University Islamabad, Islamabad, Pakistan (Language of Instruction is English) (Feb-2019 to Sep-2021)

Thesis Title: Blockchain-based Privacy-Preserving Authentication and Malicious Nodes Detection for Optimized Routing in IoT Networks

# BS in Telecommunication & Networking (Transcript)

COMSATS UNIVERSITY ISLAMABAD, ATTOCK, PAKISTAN (LANGUAGE OF INSTRUCTION IS ENGLISH) (Sep-2013 to Sep-2017)

# Experience \_\_\_\_\_

#### Researcher Blockchain

(OCT 2022-Till 31 DEC 2023)

Austrian Blockchain Center | ABC Research GmbH, Vienna, Austria

- Ploygon Blockchain-based Secure Voting System.
- Hyperledger Fabric Blockchain-based Supplychain Management.
- Polygon Blockchain-based Tokenization System for the Community.
- IoT based Blockchain Clients Evaluation

# Research Assistant (Selected as Top Student)

(Feb 2019-Feb 2022)

COMSENS LAB, COMSATS UNIVERSITY ISLAMABAD, ISLAMABAD, PAKISTAN

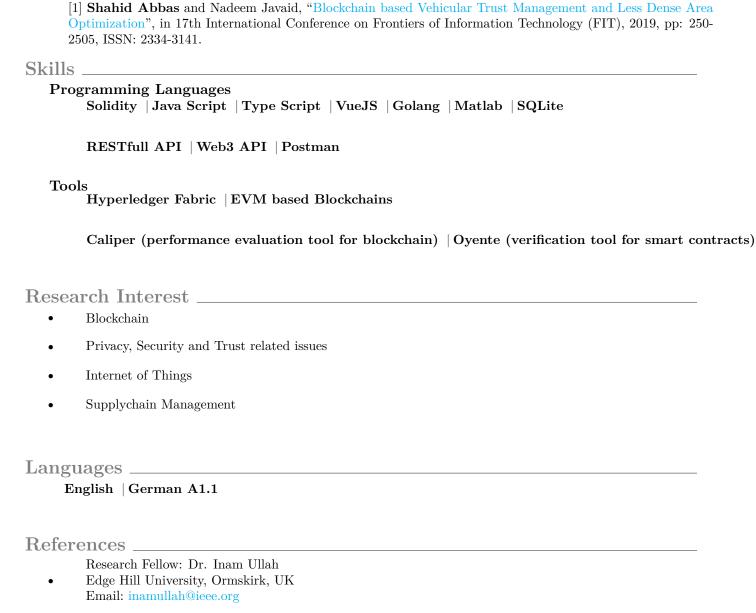
# Publications \_

### Journal Publications

- [4] Shahid Abbas, Hina Nasir, Ahmad Almogren, Ayman Altameem, Nadeem Javaid "Blockchain based Privacy-Preserving Authentication and Malicious Node Detection in Internet of Underwater Things (IoUT) Networks", Published in IEEE Access, IF: 3.9.
- [3] Sana Amjad, Shahid Abbas, Zain Abubaker, Mohammed H. Alsharif, Abu Jahid, Nadeem Javaid, "Blockchain based Authentication and Cluster Head Selection using DDR-LEACH in Internet of Sensor Things" Sensors, Published: February 2022, ISSN: 1424-8220. IF: 3.84.
- [2] Shahid Abbas, Nadeem Javaid, Ahmad Almogren, Sardar Muhammad Gulfam, Abrar Ahmed, Ayman Radwan "Securing Genetic Algorithm enabled SDN Routing for Blockchain-based Internet of Things", IEEE Access, Volume: 9, Pages: 139739 - 139754, Published: 8 October 2021, ISSN: 2169-3536. IF: 3.9.
- [1] Zahoor Ali Khan, Obaida Abdul Karim, Shahid Abbas, Nadeem Javaid, Yousaf bin Zikria, Usman Tariq. "Q-learning based energy-efficient and void avoidance routing protocol for underwater acoustic sensor networks.", Computer Networks, Volume: 197, Pages: 108309, Published: October 2021, ISSN: 1389-1286. IF: 5.6.

#### Conference Proceedings

[2] Shahid Abbas, Sana Amjad, Stefan Crass, Amid Moinzadah "Analysis of IoT Connection Patterns with Blockchain" Submitted in The 39th ACM/SIGAPP Symposium On Applied Computing, Avila, Spain



Chief Scientific Officer: Dr. Alexander Eisl

• Austrian Blockchain Center | ABC Research GmbH, Vienna, Austria.

Email: alexander.eisl@abc-research.at