M M Imran (Imran Pollob)

Blockchain Security & Privacy Researcher

Detroit, MI · mmimran@wayne.edu · imranpollob.com · GitHub

Education

Ph.D. Candidate, Computer Science · Wayne State University

2021 - Present · Expected Summer 2027

M.Sc., Information Technology · Jahangirnagar University

2017

B.Sc., Information Technology · Jahangirnagar University

2015

Research Experience

Ph.D. Researcher · Wayne State University · 2021-Present

Research on Ethereum account authorization, privacy-preserving gas sponsorship, ZK verifier analysis, and collaborative misbehavior detection. Methods include program analysis, adversarial evaluation, and protocol implementation.

Selected Publications

Pre-Authorization Screening of EIP-7702 Account Delegation in Ethereum Blockchain under an Execution-Audited Adaptive Adversary

M M Imran, Anik Tahabilder, Changxin Bai, Qiang Zhu, Shiyong Lu

8th IEEE International Conference on Trust, Privacy and Security in Intelligent Systems, and Applications (TPS), 2026. **Accepted.**

Paper

PrivGas: A Privacy-Preserving Gas Sponsorship Protocol for Blockchain Stealth Addresses

M M Imran, Anik Tahabilder, Changxin Bai, Qiang Zhu, Shiyong Lu

IEEE 4th International Conference on Artificial Intelligence, Blockchain and Internet of Things (AIBThings), 2026. **Accepted.**

Paper

ZKScan: A Static Analyzer for Smart Contract Based Zero-Knowledge Proof Verifiers on Blockchains

Anik Tahabilder, **M M Imran**, Changxin Bai, Qiang Zhu, Shiyong Lu

IEEE 4th International Conference on Artificial Intelligence, Blockchain and Internet of Things (AIBThings), 2026. **Accepted.**

Paper

Secure-BSM: Blockchain-Assisted Collaborative Misbehavior Detection in Vehicular Networks

M M Imran, Yi Zhu, Shiyong Lu

2026 IEEE 4th International Conference on Mobility, Operations, Services and Technologies (MOST), 2026, pp. 160-171.

Paper · DOI

Earlier Publications

A generic efficient scientific workflow engine for the optimizations of run-time execution

Changxin Bai, Junwen Liu, Anik Tahabilder, **M M Imran**, Shiyong Lu, Dunren Che. 2023 IEEE International Conference on Software Services Engineering (SSE), 2023, pp. 98-103. Publication record

An automated smart embedded system on fire detection and prevention for ensuring safety

F. M. Javed Mehedi Shamrat, Aliza Ahmed Khan, Zakia Sultana, **M M Imran**, Md Abdulla, Ankit Khater. 2021 2nd International Conference on Smart Electronics and Communication (ICOSEC), 2021, pp. 978-983. Publication record

Sentiment analysis on twitter tweets about COVID-19 vaccines using NLP and supervised KNN classification algorithm

F. M. Javed Mehedi Shamrat, Sovon Chakraborty, **M M Imran**, Jannatun Naeem Muna, Md Masum Billah, Protiva Das, Md Obaidur Rahman. Indonesian Journal of Electrical Engineering and Computer Science, 23(1), 2021, pp. 463-470. Publication record

Supervised machine learning based liver disease prediction approach with LASSO feature selection

Saima Afrin, F. M. Javed Mehedi Shamrat, Tafsirul Islam Nibir, Mst. Fahmida Muntasim, Md. Shakil Moharram, **M M Imran**, Md Abdulla. Bulletin of Electrical Engineering and Informatics, 10(6), 2021, pp. 3369-3376. Publication record

An adaptive routing algorithm for on-chip 2D mesh network with an efficient buffer allocation scheme

M M Imran, M. S. Kaiser, Syeda Tanjila Atik, Jenia A. Jeba, Z. I. Chowdhury, Julkar N. Mahi. 2018 International Conference on Computer, Communication, Chemical, Material and Electronic Engineering (IC4ME2), 2018, pp. 1-4. Publication record

Teaching & Mentoring

Graduate Teaching Assistant · Wayne State University · Aug 2021-Present

BE 1600 Python Programming: Teaching in Fall 2026.

Problem Solving and Programming (C++): Created all course materials.

Java Programming: Developed and delivered course materials and final project.

Software Engineering: Mentored student teams through Agile projects.

Computer Architecture and Organization: Led the lab section.

Bioinformatics Programming Lab with R: Facilitated hands-on labs.

Teaching Award

Outstanding Graduate Teaching Assistant Award · April 16, 2026

Department of Computer Science, Wayne State University. Recognized for dedication to student learning and engagement, innovative teaching support, and exceptional support for CSC 3100 in recent semesters.

Industry Experience

Cefalo · Software Engineer · Sep 2019 - Jul 2021

Rapid Web Services · Full-Stack Software Engineer · May 2018 - Sep 2019

Codalo · Software Engineer · Nov 2016 - Apr 2018