

M M Imran (Imran Pollob)

Industry Research Resume | Blockchain Security

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Ph.D. candidate at Wayne State University, expected Summer 2027. Research in Ethereum security, privacy, and zero-knowledge systems, supported by nearly five years of professional software engineering. Authorized to work in the U.S. as a permanent resident.

Selected Research

AuthGuard-7702 · IEEE TPS 2026 (accepted)

First author. Evaluates pre-authorization bytecode screening under an execution-audited adaptive adversary. Reported paired attack success: 0.167 versus 0.537 for logistic regression under the primary evaluated adversary.

[Paper](#), [evaluation](#) & [resources](#)

PrivGas · IEEE AIBThings 2026 (accepted)

First author. Privacy-preserving gas sponsorship with shielded credits and abuse-resistant admission. Paper reports 284,527-gas peak Spend validation in local Foundry simulation; public artifact maps claims to tests.

[Paper](#), [evaluation](#) & [resources](#)

ZKScan · IEEE AIBThings 2026 (accepted)

Coauthor. Static analysis of on-chain ZK verifier contracts. Paper reports 94% recall and 77% precision on its audit-derived dataset; findings concern historical versions, not claimed active zero-days.

[Paper](#), [evaluation](#) & [resources](#)

Secure-BSM · IEEE MOST 2026

First author. Collaborative vehicular misbehavior detection and rate limiting, evaluated with SUMO and Hyperledger Besu.

[Paper](#), [evaluation](#) & [resources](#)

Industry Experience

Cefalo · Software Engineer · Sep 2019 - Jul 2021

Worked on an internal data-collection framework, client web projects, and the cloud infrastructure behind them.

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

Developed and maintained the SeeBiz inventory management platform, used by multiple businesses.

Codalo · Software Engineer · Nov 2016 - Apr 2018

Built product prototypes, including a school management system later used by 20+ institutions in Bangladesh.

Technical Skills

Solidity, Python, JavaScript/TypeScript, PHP, C++, Java, SQL. Foundry, smart-contract testing, PyTorch, TensorFlow, React, Vue.js, Laravel, Node.js, AWS, Docker, CI/CD.

Education & Teaching

Ph.D., Computer Science · Wayne State University · Expected Summer 2027. **M.Sc., IT** · Jahangirnagar University · 2017. **B.Sc., IT** · Jahangirnagar University · 2015.

Graduate Teaching Assistant, 2021-Present. Outstanding Graduate Teaching Assistant Award, 2026; departmental recognition highlighting CSC 3100 support.