

# S M Zia Ur Rashid

Tulsa, Oklahoma, United States

E-mail: [smizaurrashid@gmail.com](mailto:smizaurrashid@gmail.com), [ziaur-rashid@utulsa.edu](mailto:ziaur-rashid@utulsa.edu)

Phone: (539) 222-0503

<https://ziaurrashid.com> [in https://www.linkedin.com/in/ziaurrashid](https://www.linkedin.com/in/ziaurrashid)

---

## CORE COMPETENCIES

- **Machine Learning & Deep Learning:** PyTorch, GNN, Numpy, Matplotlib, Jupyter Notebook, AWS SageMaker.
- **Security Tools:** Anomali Threat Intelligence, AlienVault USMA, Burp Suite Pro, Acunetix, Tenable.io, Snyk.io, LightSpin.io, SonarCloud, Kiuwan, Quixxi, Mariana Trench, MobSF, Nmap, Checkov, LambdaGaurd, Prowler, ScoutSuite, CloudSplaining, Steampipe, Nuclei, Forcepoint DLP and CASB, OneTrust GRC and so forth.
- **Compliance Framework:** Familiar with HIPAA, NIST, CIS Controls and Benchmark.
- **Certification:** CompTIA Pentest+, Microsoft SC-900

## EDUCATION

### The University of Tulsa

*PhD in Cyber Studies (Major: Cyber Security)*

**Aug., 2022 – Present**

Tulsa, Oklahoma

### The University of Tulsa

*MS in Cybersecurity*

**May, 2024 (expected)**

Tulsa, Oklahoma

### International Islamic University Chittagong (IIUC)

*B.Sc., Electrical & Electronic Engineering*

**Aug., 2015 – Nov., 2019**

Chittagong, Bangladesh

*Thesis: Industrial Control Systems Security: An in-depth Analysis with HoneyPot*

## EXPERIENCES

### Graduate Research Assistant (TU-Team8 Cyber Fellows)

*The University of Tulsa (www.cyberfellows.utulsa.edu)*

**Aug., 2022 – Present**

Tulsa, Oklahoma

- Investigating Graph Machine Learning for money laundering detection.

### Cyber Security Research Intern

*CISO Global Inc. (www.ciso.inc)*

**Jun., 2023 – Aug., 2023**

Tulsa, Oklahoma

- Investigating activities related to actionable threat intel for proactive cybersecurity.
- Developing a framework to utilize actionable threat intelligence within products.

### Information Security Specialist

*Augmedix Inc. (www.augmedix.com) (NASDAQ: AUGX)*

**Sept., 2020 – July, 2022**

Dhaka, Bangladesh

- Conduct penetration testing for Cloud, Networks, API, Web and Mobile applications.
- Oversee SAST, DAST, Cloud, SIEM, EDR, DLP, CASB and other enterprise security solutions.
- Collaborate with Product, Engineering and DevOps team to validate that the required security and compliance specifications meet throughout the SSDLC.
- Provide leadership, guidance and subject matter expertise to compliance and other teams when required.
- Create and/or improve vulnerability management program roadmaps or strategies.

#### Key Achievements

- Onboarded cloud attack surface and security management tool.
- Implemented continuous security monitoring tools for container, serverless and AWS cloud infrastructure.
- Integrated Jira and Confluence to visualize different security matrix.
- Revised Vulnerability Management Framework to achieve higher maturity model (SANS CMMI).
- Co-managed SOC and EDR onboarding project.

## BUG BOUNTY HALL OF FAME / ACKNOWLEDGEMENT (2017 - 2018)

- Microsoft
- U.S. Dept. of Defense
- Nokia
- Adobe
- Intel
- CompTIA
- Uber
- Khan Academy
- Netgear
- Atlassian
- Github
- Auh0 and so forth

## DISCOVERED COMMON VULNERABILITIES AND EXPOSURES (CVE)

- CVE-2019-11196 – Authentication Bypass Vulnerability on Integrated University Management System.
- CVE-2018-16971 – Insecure Direct Object Reference (IDOR) vulnerability on Wisetail Learning Ecosystem.
- CVE-2018-16970 – Insecure Direct Object Reference (IDOR) vulnerability on Wisetail Learning Ecosystem.
- CVE-2018-16606 – Insecure Direct Object Reference (IDOR) vulnerability on ProConf Management System

## CONFERENCE REVIEWER

- DEFCON 30 AI Village, 2022
- 10th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2022)
- 2022 2<sup>nd</sup> International Conference on Computer Science, Engineering and Applications (ICCSEA 2022)
- Global Security Exchange (GSX) 2022
- IEEE International Conference on Advanced computing Technologies & Applications (ICACTA 2022)
- 6<sup>th</sup> International Conference for Convergence in Technology (I2CT), 2021

## PUBLICATIONS ([GOOGLE SCHOLAR](#))

- [1] S M Zia Ur Rashid, A. Haq, ST Hasan, Md Hasan Furhad, Abu S.S.M Barkat Ullah, and Mohiuddin Ahmed. **“Faking Smart Industry: A Honeypot-Driven Approach for Exploring Cyber Security Threat Landscape**, *Wireless Network* (2022).
- [2] S M Zia Ur Rashid, A. Haq, ST Hasan, Md Hasan Furhad, Abu S.S.M Barkat Ullah, and Mohiuddin Ahmed. **“Faking Smart Industry: A Honeypot-driven Approach for Exploring Cyber Security Threat Landscape,”** *14th EAI International Wireless Internet Conference – EAI WiCON 2021 (Best Paper Award)*.
- [3] S M Zia Ur Rashid, MI Kamrul, and Asraful Alam **“Understanding the Security Threats of Esoteric Subdomain Takeover and Prevention Scheme.”** *In 2019 International Conference on Electrical, Computer and Communication Engineering (ECCE) (pp. 1-4). IEEE.*
- [4] M. J. Alam, M.I. Kamrul, S M Zia Ur Rashid, S. Z. **“An Expert System Based on Belief Rule to Assess Bank Surveillance Security.”** *In 2018 IEEE International Conference on Innovations in Science, Engineering and Technology (ICISSET), (pp. 451-454), IEEE.*
- [5] A. Alam, S M Zia Ur Rashid, Md Abdus Salam, and Ariful Islam. **“Towards Blockchain-based E-voting System,”** *In 2018 International Conference on Innovations in Science, Engineering and Technology (ICISSET), (pp. 351-354), IEEE.*

## HONORS AND ACHIEVEMENTS

- Recipient of TU-Team8 Cyber Fellowship Mar., 2022
- Recipient of WiCyS Scholarship to attend 42<sup>nd</sup> IEEE Symposium on Security and Privacy May, 2021
- Recipient of COL-Udemy Skills for Work Scholarship Mar., 2021
- Recipient of Black Hat USA 2020 Student Scholarship July, 2020
- Honorable mention in Cyber Life Podcast Special Episode 2 Aug., 2019

## COMMUNITY AND PROFESSIONAL SERVICES

- Volunteer (CTF & SpeakerOps Team), *Defcon 30 Cloud Village*, 2022
- Discussion Panel Member on topic titled **Rendering Financial Sector Cyber Security by MIST**, 2022
- Volunteer, *Gray Hat Conference*, 2020
- Red Team Member, *Synack Inc.*, 2021 - 2023
- Volunteer, *Defcon SafeMode Red Team Village*, 2020
- Teaching Assistant, *Cybrary* (Worked on NIST NICE Work Role – Interview Mocha project for Black Hat USA 2019)
- Webmaster, *IEEE Bangladesh Section Student Activities Committee*, 2018
- Lifetime Member, *OWASP Foundation*
- Student Member, *WiCyS, IEEE & IEEE Computer Society*