

S. M Imran Reza

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PROFESSIONAL SUMMARY

Computer Science and Engineering graduate with interests in software engineering, cybersecurity, and artificial intelligence. Published conference and journal research papers. Passionate about designing secure, scalable, and innovative software solutions while continuously learning and applying emerging technologies.

EDUCATION

Bachelor of Science (B.Sc.) in Computer Science and Engineering

Pundra University of Science & Technology (PUB), Bogura, Bangladesh

Graduated: 2026 | CGPA: 3.92/4.00

Higher Secondary Certificate (HSC)

Govt. Shah Sultan College Bogura, Bangladesh

Board: Rajshahi | Year: 2019 | GPA: 4.67/5.00

Secondary School Certificate (SSC)

Police Line School and College Bogura, Bangladesh

Board: Rajshahi | Year: 2017 | GPA: 5.00/5.00

TECHNICAL SKILLS

- Languages:** Python, Java, C, C++, PHP, JavaScript
- Frameworks & Libraries:** Spring Boot, Django, PyTorch, Scikit-learn, Pandas, NumPy
- Web Technologies:** HTML5, CSS3, JavaScript, Bootstrap, Thymeleaf
- Databases:** MySQL, Firebase
- Tools & Platforms:** Git, GitHub, VS Code, IntelliJ IDEA, Android Studio, XAMPP, Google Colab, Kaggle

PROJECTS

Bank Management System | *Java, Spring Boot, Thymeleaf, MySQL, BCrypt*

- Built a secure banking management system with user authentication and account management using Java and Spring Boot
- Implemented BCrypt password encryption and integrated MySQL for persistent data storage
- Designed responsive UI with Thymeleaf for account and transaction workflows

Blogging Platform | *PHP, MySQL, HTML, CSS, JavaScript*

- Built a full-stack blogging platform in PHP with user authentication and content management
- Implemented create, edit, and delete functionality for blog posts with MySQL integration
- Designed a responsive, secure user interface using HTML, CSS, and JavaScript

Pothole Detection System | *Python, YOLOv11s, PyTorch, OpenCV*

- Built a deep learning object detection system to automatically identify potholes from road images
- Trained and evaluated a YOLOv11s model in PyTorch for bounding-box detection with confidence scoring
- Applied OpenCV-based image preprocessing to support real-time road condition monitoring

RESEARCH & PUBLICATIONS

Journal Articles

- S. M Imran Reza**, Iffath Tanjim Moon, Md. Forhan Shahriar Fahim, and Md. Tanjid Sheikh, "Explainable multi-task transformer-based framework for cross-language source code vulnerability detection with auxiliary CWE and

language classification,” *Journal of Cyber Security Technology*, vol. 10, no. 1, Jul. 2026, doi: 10.1080/23742917.2026.2700412.

Conference Proceedings

- [1] **S. M Imran Reza**, Iffath Tanjim Moon, Md. Forhan Shahriar Fahim, and Md. Tanjid Sheikh, “An Empirical Analysis of Transformer-Based Models with LIME Explainability for JavaScript Vulnerability Detection,” *2026 IEEE International Conference on Electrical, Computer & Telecommunication Engineering (ICECTE 2026)*, pp. 1–6, Jan. 2026, doi: 10.1109/icecte69292.2026.11429428.
- [2] Tanjid Sheikh, Iffath Tanjim Moon, Md. Forhan Shahriar Fahim, and Md. Sumaya Akter Mahmuda, and **S. M Imran Reza**, “Systematic Hybrid Analysis of Android Applications: CWE-Categorized Vulnerabilities and Practical Mitigation Strategies,” *2026 IEEE 2nd International Conference on Quantum Photonics, Artificial Intelligence & Networking (QPAIN)*, pp. 1–6, Apr. 2026, doi: 10.1109/qpain69676.2026.11546396.

INDUSTRIAL TRAINING

Web Development & WordPress theme Customization

Modern Technical Institute (MTI), Bogura | May 2026 – June 2026

- Successfully completed a 28-day Industrial Attachment Training Program.
- Received hands-on training in webpage design and development using PHP, CSS, and WordPress theme customization.
- Developed practical skills in responsive web development, website customization, and web technologies.

AWARDS & ACHIEVEMENTS

- Four-time recipient, Excellent Performance Award, Pundra University of Science & Technology
- 3rd Place, University Programming Competition
- Participant, ICPC Dhaka Regional Programming Contest 2024

LINGUISTIC PROFICIENCY

- Bengali (Native)
- English (Professional Working Proficiency)

REFERENCES

Iffath Tanjim Moon

Lecturer, Department of Computer Science and Engineering

Military Institute of Science and Technology (MIST)

Email: iffathtanjim2197@gmail.com

I hereby declare that all the information provided in this Curriculum Vitae is true, accurate, and complete to the best of my knowledge.

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