

## Education

- 2021–present **Northern Illinois University, USA**, *Ph.D*, Computer Science, CGPA:3.967.  
2017–2019 **Florida State University, USA**, *MS*, Computer Science, CGPA:3.75.  
2003–2009 **University of Dhaka, Bangladesh**, *B.Sc.(Hons)*, Computer Science & Engineering, *1st class*.

## Research Interest

Software Engineering, Software Maintenance and Evolution, Mining Software Repository, Software Testing, Software Vulnerability Detection

## Research Experience

- 2021–present **Graduate Research Assistant**, *AI-enabled Software Engineering Laboratory (AISE)*, Northern Illinois University, USA.  
2018–2019 **Graduate Research Assistant**, *E-Crime Investigative Technologies Laboratory (ECIT)*, Florida State University, USA.

## Publications

- 1 **Samiha Shimmi**, Mona Rahimi, "*Software Repositories for Patternizing Attack-and-Defense Co-Evolution.*" MSR4P&S,1st International Workshop @ ESEC/FSE 2022.
- 2 **Samiha Shimmi**, Mona Rahimi, "*Patterns of Code-to-Test Coevolution for Automated Test Suite Maintenance*" IEEE International Conference on Software Testing (ICST 2022).
- 3 **Samiha Shimmi**, Mona Rahimi, "*Leveraging Code-Test Co-evolution Patterns for Automated Test Case Recommendation*" 3rd ACM/IEEE International Conference on Automation of Software Test (AST 2022).
- 4 **Samiha S. Shimmi**, Gokila Dorai, Umit Karabiyik, Sudhir Aggarwal, "*Analysis of iOS SQLite Schema Evolution for Updating Forensic Data Extraction Tools*" International Symposium on Digital Forensics and Security (ISDFS 2020).

## Grants

- 2022-present Award No. N00014-22-1-2553, Office of Naval Research (ONR), Division of Cyber Security and Complex Software Systems, USA.  
2018-2019 Award No. 2016-MU-CX-K003, awarded by the National Institute of Justice, Office of Justice Program, U.S. Department of Justice.

## Conferences and Workshops Attended

- 2023 IEEE International Conference on Software Testing (ICST 2023)  
2022 MSR4P&S,1st International Workshop (ESEC/FSE 2022)  
2022 IEEE International Conference on Software Testing (ICST 2022)  
2022 3rd ACM/IEEE International Conference on Automation of Software Test (AST 2022)  
2022 Automated Software Engineering Conference (ASE 2022)  
2022 44th International Conference on Software Engineering (ICSE 2022)  
2018 Grad Cohort for Women - CRA-WP Workshop 2018

## Teaching Experience

- 2021–2021 **Graduate Teaching Assistant**, Northern Illinois University, USA.

2020 **Lecturer**, Ahsanullah University of Science & Technology, Bangladesh, *Responsibilities: Designing and teaching undergraduate courses in Computer Science, Serving in several committees.*

2017–2018 **Graduate Teaching Assistant**, Florida State University, USA.

## Graduate Courses

Pattern Recognition and Data Mining, Natural Language Processing, Computer Networks, Programming in Java, Research Methods, Advanced Software Engineering, Software Testing and Quality Assurance, Data Mining in Software Engineering, Database Systems, Network Security, Concurrent Parallel Distributed Programming, Data/Computer Communication, Advanced Algorithm, Analytic Methods, Computer and Network Administration

## Technical Skills

Programming Language C, C++, Java, Python, VB.NET  
Database Oracle, Query Language - SQL  
Basic Web html, CSS

## Professional Experience

2010–2017 **Software Engineer**, BASIC Bank Limited, Bangladesh, ICT Division, *Responsibilities: software development, giving live support to the core banking solution.*

## Professional Profiles

<https://scholar.google.com/citations?user=GPjTq-QAAAAJ>  
<https://www.linkedin.com/in/samiha-shimmi-261542aa/>

## Volunteer Experience

2023 **Student Volunteer**, 2nd International Conference on AI Engineering Software Engineering for AI (CAIN)

2022 **Student Volunteer**, Requirement Engineering Conference (RE)

2018-2019 **Cultural Secretary**, Bangladeshi Student Association, Florida State University

## Extra Curricular Activities- Chess Player

Woman National Chess player of Bangladesh and have an international title of Woman Candidate Master (WCM)

Have International chess rating (1804)

Became Runner up in 1st SAARC Women Championship(2019) in Blitz section and 5th in Standard, 4th in Asian Zonal 3.2 (2017). Won Bronze Medal in Bangladesh Games individual chess event, Silver Medal in team chess event(2013), Champion in First Women Rapid Rating Chess(2014), champion in National Women chess Championship-Preliminary Phase(2013), Runner up in Laila Alam Women Chess (2011), 5th in Dhaka University Chess Championship (2008), Runner up in Standard Chartered Bank School Chess(2001), 8th in sub junior chess(open section)(2000), Runner up in Sub Junior Girls Chess (1999)