




# Md Rayhanur Rahman

Ph.D. Student

 mrahman@ncsu.edu  
 +9196497823  
 rayhanur-rahman.github.io

## Education

Ph.D. | Computer Science | North Carolina State University | 2018-2023 | 3.58/4.0

Masters | Software Engineering | University of Dhaka | 2013-2014 | 3.98/4.00

Bachelor | Software Engineering | University of Dhaka | 2009-2012 | 3.96/4.00

## Skills

Languages: C, Java, Python, MSSQL, R  
WebDev : HTML, CSS, JS, JQuery, knockoutjs, Nodejs, ASP.NET MVC  
Other: Linux, Git, TFS

## Extra-Curricular

Champion | GetRoot Byteknigh  
Cyber Security Challenge Competition - OWASP Bangladesh | 2012

Finalist - .NET Track | BASIS Code Warriors Challenge | 2012

Finalist | Microsoft Imagine Cup Bangladesh Software Competition | 2012

## Awards

Innovation Fund, Ministry of ICT, Government of Bangladesh, 2014-15 for State of the Art Mobile App Testing Framework in the Cloud

National Science and Technology (NST) Fellowship, Ministry of Science and Technology, Government of Bangladesh, 2013-14

## Work Experience and Internships

Aug'18 -	Graduate Assistant	North Carolina State University
	As a funded student in Ph.D. program, I have been TA in software engineering course for fall and spring. Since this fall, I am working as a RA under Dr. Laurie Williams	
Sep'14	Lecturer	University of Dhaka
	I took various courses in undergraduate program such as Discrete Math, Object Oriented Programming etc	
Dec'13	Software Engineer	Kaz Software Ltd.
	Built the front and backend ontology and identity web services using ASP.NET MVC and Knockoutjs	
Aug'12	Intern	Kaz Software Ltd
	Built a blog engine using WPF, a web based piano composer named Groovybeats using kinectjs. Worked as a team member in Orbitax project	
July'11	Intern	Southtech Ltd
	I worked on SCALED - Human resource management desktop based application built upon visual basic and Microsoft SQL server.	

## Research Publications

May'19	Share but beware: Security Smell in Python Gists	ICSME'19
Jan'19	Security Smells in Infrastructure as Code Scripts	Under Review: TSE
May'18	MobiCoMonkey - Context Testing of Android Apps	MobileSoft'18
Jan'18	MMRUC3: A Recommendation Approach Of Move Method Refactoring Using Coupling, Cohesion And Contextual Similarity To Enhance Software Design	SPE'18
Feb'17	A scalable resource provisioning scheme for the cloud using peer to peer resource discovery and multi-attribute utility theory	IJCC'18
Feb'13	A peer to peer resource provisioning scheme for cloud computing environment using multi attribute utility theory	INTECH'13
Nov'12	Provintsec: A Provenance Cognition Blueprint Ensuring Integrity And Security For Real Life Open Source Cloud	IJIPSI'13

## Software Projects

Dec'18	Spark RDD to Dataframe API converter
Dec'18	Scalable VFDT Implementation for Software Defect Prediction
Jan'15	Click2Dial Microsoft Outlook Extension
May'12	IITDURMS - Result Management System for IIT, University of Dhaka
May'19	DSEDROID - An Android App for Dhaka Stock Exchange
May'10	Greenflash - Behavioral based malware protection system for USB drives, works on Windows platforms.