

# AKOND ASHFAQUE UR RAHMAN

## PRESENT ADDRESS

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## WORLD WIDE WEB

Github  
Google Scholar  
Linkedin  
Webpage

## EDUCATION

**Doctor of Philosophy in Computer Science**  
North Carolina State University, Raleigh, NC, USA  
Adviser: Dr. Laurie Williams  
G.P.A: 3.94/4.00

**Master of Science in Computer Science and Engineering**  
University of Connecticut, Storrs, CT, USA  
G.P.A: 3.80/4.00

## PROFESSIONAL EXPERIENCE

**ABB Corporate Research, USA**      Software Research Intern      May 2015 - Aug 2015

I implemented a software framework that detects similarity amongst software applications by converting software artifacts into natural language tokens. To implement the project I used SrcML.NET, Swum.NET, and Python Natural Language Toolkit. To facilitate performance gain and scalability I used Apache Spark with Python. I also actively collaborated with the full time members and interns of the Software Architecture, and Industrial Software Engineering teams at ABB Corporate Research.

**Dohatec New Media, Bangladesh**      Software Engineer      Jan 2010 - Jun 2011

I created a Java-based multi-modal software development kit in Java that included biometrics. I was also responsible in programming, testing, and maintaining ASP.NET websites for different government agencies of Bangladesh.

## ACADEMIC EXPERIENCE

**NCSU, USA**      Teaching Assistant      Aug 2014 - May 2015

I was a teaching assistant for *Software Security*, a graduate level course and *Operating Systems for Computer Scientists*, an undergraduate level course conducted in the Department of Computer Science at North Carolina State University (NCSU).

**UConn, USA**      Graduate Assistant      Jan 2012 - May 2014

As a graduate assistant my responsibilities included working as a teaching assistant, research assistant, and a helpdesk person for the School of Engineering at University of Connecticut (UConn).

## TECHNICAL SKILLS

**Programming Languages** ASP, Bash, C, C#, CSS, HTML, Java, PHP, Python, SQL  
**Data Analysis Tools** Apache Spark, Matlab, Microsoft Excel, R Studio, SciKit  
**Database Tools** Microsoft SQL Server (v. 2005, 2008), MySQL Server(v. 5.0, 5.5)  
**DevOps Tools** Git, Jenkins, JUnit, Vagrant  
**Development Kits** Android SDK, Eclipse Plugin Development Kit (PDK), Wordpress  
**IDEs** Anaconda (v. 2.3), Eclipse (v. 3.5, 4.4, 4.5), Microsoft Visual Studio (v. 2005, 2008, 2013)