MD MAHIR ASEF KABIR

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EDUCATION

PhD Student, Department of Computer Science   *August 2019 - (Expected) May 2024*
Virginia Tech, Virginia, USA

BS, Department of Computer Science & Engineering   *Oct 2011 - Jan 2016*
Ahsanullah University of Science and Technology, Dhaka, Bangladesh

RESEARCH WORKS

- Creating a domain specific language to detect Java project's metadata related bugs

- Investigated how securely developers follow security related best practices for NPM packages (https://ieeexplore.ieee.org/abstract/document/9973037)

- Investigated how far existing tools have come to automatically detect Java Cryptographic API misuses (https://ieeexplore.ieee.org/document/9711933)

- Worked on creating an Example-Based approach to detect and repair security-API misuses in Java Code (https://dl.acm.org/doi/abs/10.1145/3524610.3527895)

WORK EXPERIENCE

Software Engineer, *Enosis Solutions, Dhaka*   *Nov 2015 - Aug 2019*

- Developed features of Treeno Document Management System, using **.NET & jQuery**, to **enable complete admin panel** and user grouping

- Developed Treeno API, using **.NET Core & MS SQL Server**, to **segregate backend** code and to **reduce lines** of code by **60%**

- **Improved code quality** of Treeno API, using **Dependency Injection & Generic Methods**, to reduce server communication by **50%**

- Developed features of InsightVision workflow management application, using ASP.NET MVC, Entity Framework & Fabric.js, to introduce **workflow diagram designing tool**

TECHNICAL STRENGTHS

Programming Languages	C, C++, Java, C#, JavaScript, Python
Libraries & Frameworks	Entity framework, jQuery, Fabric.js
Database Management Systems	MySQL, Microsoft SQL Server
Source Controls	TFS, SVN, Git

COMPETITIVE PROGRAMMING ACHIEVEMENTS

- **Codeforces** max rating **1672** (Profile: https://codeforces.com/profile/lazyM)

- **5th** in SUB Inter University Programming Contest 2016

- **15th** in **National Collegiate Programming Contest**(NCPC) at RUET, 2015

- **3rd** in IUBAT Inter University Programming Contest