

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

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

TEACHING & MENTORSHIP EXPERIENCE

Lecturer (Part time), Ahsanullah University of Science & Technology, Dhaka *2016 - 2019*
Instructed lab classes for Algorithm and Java course

Graduate Research Assistant, Virginia Tech, Virginia, USA *Summer 2021 - Present*
Work on research projects related to the area of Software Engineering. **Mentored** a sophomore student to get familiar with Software Engineering research.

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

RESEARCH WORKS

- Investigated how securely developers follow security related best practices for NPM packages (Got a **paper accepted**, on this topic, in **IEEE SecDev 2022**)
- Creating a domain specific language to detect Java project's metadata related bugs