

# SOUGATA DAFADER

AVAILABLE: MAY – DECEMBER 2018

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## EDUCATION

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**Northeastern University**, Boston, MA September 2017 - Present  
**College of Computer and Information Science**, GPA:3/4 Expected May 2019  
Candidate for a Master of Science in Computer Science  
Related Courses: Algorithms, Program Design Paradigms, Information Retrieval, Computer Human Interaction

**West Bengal University of Technology**, Kolkata, India July 2013  
Bachelor of Technology in Computer Science, GPA:3.5/4  
Related Courses: Database Management System, Algorithms, Data Structures, Natural Language Processing.

## TECHNICAL KNOWLEDGE

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**Computer Languages:** C#, Java, Python, C/C++, HTML5, JavaScript, CSS3, Flex, Racket  
**Frameworks:** MVC, ASP .NET, J2EE, Entity Framework.  
**Database:** Oracle 10g, MySQL, Microsoft Access, MongoDB  
**Software & Tools:** GitHub, Eclipse IDE, Visual Studio, Sublime Text, Unity, Tortoise SVN.  
**Certifications:** Microsoft Certified Professional (E308-7368),  
Microsoft Certified HTML/CSS3/JavaScript Developer (E308-7363)  
**Development Environment:** Agile- Scrum, TDD (test driven development)

## WORK EXPERIENCE

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**Northeastern University**, Boston, MA January 2018 - Present  
*Web Migration Assistant* – College of Arts, Media and Design

- Planning and coordinating with a team of 4 to migrate existing contents from 400+ pages into new website.

**Lyfflip**, Kolkata, India July 2016 - July 2017  
*Software Developer*

- Created web applications using HTML5, JavaScript, jQuery and Bootstrap based on client requirement.
- Built REST API in Java and facilitated communication between inhouse applications.

**Larsen and Toubro Technology Services**, Mysore, India October 2013 - June 2016  
*Software Engineer*

- Mentored a team of 3 and developed a dashboard for CNH industrial using AngularJs, Html5, and JavaScript.
- Wrote UNIT Test cases for IOT application created using Java, REST, MQTT protocols; simulated real time objects load in WPF applications developed in C#.
- Re-engineered existing Time-sheet portal for Calsonic Kansei, analysed and plotted graphical data using Telerik in ASP .net C#, garnered new estimation techniques and improved productivity by more than 20%.
- Boosted sales of Danfoss hardware by 12% by developing cross-platform product catalogue application using Adobe Flex.

## ACADEMIC PROJECTS

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- Search Engine Design**  
Implemented information retrieval systems, built a page rank algorithm; compared performance and retrieval effectiveness.
  - FurnitAR** – Augmented Reality application(IOS/Android)  
Developed a marker-less Augmented Reality furniture catalogue application for HackWITus 2017 in C#.
  - Kanjoos** – Cheap and Smart Shopping  
Used Google Cloud API, created datasets of prices of items after processing Store receipts.  
Submitted for Yhack-2017, at Yale University.

## INTERESTS/ACTIVITIES

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- Landscape Photography, creating and editing videos, playing multiplayer online games, reading philosophical novels.
  - Volunteering as a donor at Blood donation camps.