

# SOUGATA DAFADER

AVAILABLE: Jan. – Aug. 2019

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## EDUCATION

**Northeastern University**, Boston, MA Sept. 2017 - Present  
**College of Computer and Information Science**, GPA:3/4 Expected Graduation: Dec. 2019  
Candidate for a Master of Science in Computer Science  
Coursework: Program Design Paradigms, Info. Retrieval, Computer Human Interaction, Algorithms, Comp. Systems

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

## TECHNICAL KNOWLEDGE

**Computer Languages:** C#, Java, Python, C/C++, PHP, HTML5, JavaScript, ReactJS, React Native, CSS3, Flex, Racket

**Frameworks:** MVC, WPF, ASP .NET, J2EE, Django, Entity Framework, Node.js, MEAN Stack.

**Database:** Oracle 10g, MySQL, Microsoft Access, MongoDB

**Software & Tools:** GitHub, Visual Studio, Eclipse, Sublime, Adobe Suite, Unity, Tortoise SVN, Jmeter.

**Certifications:** Microsoft Certified Professional (E308-7368),  
Microsoft Certified HTML/CSS3/JavaScript Developer (E308-7363)

**Development Environment:** Agile- Scrum, TDD (test driven development)

## WORK EXPERIENCE

**Northeastern University**, Boston, MA  
*Web Specialist* – Global Resilience Institute (GRI)

- Developing layouts, plugins, theme changes and create a responsive design.

*Web Application Developer - RA* – College of Arts, Media and Design Jan. 2018 - Present

- Updating the website using PHP, JavaScript, CSS in WordPress. Migrating the old contents into new website.

**Lyfflip**, Kolkata, India Jul. 2016 – Jul. 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 Oct. 2013 – Jun. 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.
- 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

- Search Engine Design** - (PHP,Python)  
Built a search engine with page rank algorithm; compared performance and retrieval effectiveness.
- FurnitAR** – Augmented Reality application(IOS/Android) - (C#)  
Developed a marker-less Augmented Reality furniture catalogue application for HackWITus 2017 in C#.
- Kanjoos** – Cheap and Smart Shopping - (Python)  
Used Google Cloud API, created datasets of prices of items after processing Store receipts.  
Submitted for Yhack-2017, at Yale University.
- Ride Sharing Application** (Url: <http://tmate.pythonanywhere.com>) - (Python Django)  
Designed and developed a system using Python Django, Sqlite, Bootstrap, JavaScript, JQuery which would facilitate Northeastern students to search for rides offered by other students.