SOUGATA DAFADER

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Available: **January – August 2019**

EDUCATION

Northeastern University, Boston, MA	Sept. 2017 - Present
College of Computer and Information Science, **GPA**:3.2/4	Expected Graduation: Dec. 2019

Candidate for a Master of Science in Computer Science
Coursework: Program Design Paradigms, Information Retrieval, CHI, Algorithms, Computer Systems

West Bengal University of Technology, Kolkata, India	Aug 2009 - July 2013

Bachelor of Technology in Computer Science
Related Courses: Database Management System, Algorithms, Data Structures, Natural Language Processing.

TECHNICAL KNOWLEDGE

Computer Languages:	Java, C#, Python, C/C++, PHP, HTML5, JavaScript, ReactJS, React Native, CSS3, Flex, Racket, Shell
Frameworks:	J2EE, MVC, WPF, ASP .NET, 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 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.

Web Specialist – Global Resilience Institute (GRI)   May 2018 – Aug.2018
- Developing layouts, plugins, theme changes and create a responsive design.

Lyfflip, Kolkata, India   Jul. 2016 – Jul. 2017
Software Developer
- Created web applications using HTML5, JavaScript, jQuery and Bootstrap based on client requirement.
- Built web services in Java and Python that facilitated communication between inhouse applications.

Larsen and Toubro Technology Services, Mysore, India   Oct. 2013 – Jun. 2016
Software Engineer
- Implemented Web Services for extracting and manipulating data from inter-applications using Java Spring-Rest framework. Wrote Junit test cases brought code-coverage to 95+%.
- 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%.
- Mentored a team of 3 and developed a dashboard for CNH industrial using AngularJs, Html5, and JavaScript.

ACADEMIC PROJECTS

- **Search Engine Design -** (PHP, Python)
  Built a search engine with page rank algorithm; compared performance and retrieval effectiveness.
- **Comparative Analysis of different Compression Algorithms -** (C, Shell)
  Compiled analysis report of different compression techniques in both serialized and parallel version. Used Tableau to visualize the data derived over different data sets in a team of 2.
- **Ride Sharing Application -** (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.

VOLUNTEER WORK

- Help to organize blood donation camp and participating as a blood donor.
- Organize drives to provide warm clothes to homeless before winter.