

SOUGATA DAFADER

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(857) 352 3682 • Boston, MA – 02120 | 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: Algorithms, Data Structures, Natural Language Processing, Database Management System.

TECHNICAL KNOWLEDGE

Computer Languages: Java, C#, Python, C/C++, PHP, Shell, HTML5, JavaScript, ReactJS, CSS3
Frameworks: J2EE, Hibernate, JPA, Spring-MVC, ASP .NET – MVC, WPF, Django, Entity Framework, Node.js, MEAN Stack.
Servers & Database: Oracle 10g, MySQL, Microsoft Access, MongoDB
Software & Tools: GitHub, Git, AWS, Eclipse, Visual Studio, Sublime, Adobe Suite, Postman, Jmeter.
Certifications: Microsoft Certified Professional, Microsoft Certified HTML5/CSS3/JavaScript Developer
Development Type: Agile- Scrum, TDD (test driven development)

WORK EXPERIENCE

Northeastern University, Boston, MA Jan. 2018 – Present
Web Application Developer – College of Arts, Media and Design

- 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

- Developed several responsive layouts, plugins and themes in WordPress using PHP, JavaScript, JQuery.

Lyfflip, Kolkata, India Jul. 2016 – July 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 – June 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+%.
- Mentored a team of 3 and built a Tool Suite in Asp .Net WPF to test an IOT platform using multithreading
- Re-engineered existing Time-sheet portal for a client organisation with over 20,000+ employees. Analysed and plotted graphical data using Telerik in ASP .net C# which improved productivity by more than 20%.

ACADEMIC PROJECTS

Northeastern University, Boston, MA

Search Engine Design Oct. 2017

- Built a search engine by building a web crawler, indexer with page rank algorithm using PHP and python.
- Employed BM25, TF-IDF, Smooth Query Likelihood Retrieval models and compared performance and retrieval effectiveness.

Comparative Analysis of different Compression Algorithms Aug. 2018

- Implemented different algorithms (serialized / multithreaded) to compress and decompress using C and automated the process using Shell scripting.
- Used Tableau to visualize the results over different data sets and evaluated their performance.

Ride Sharing Application April 2018

- 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.