

Aayush Srivastava

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TECHNICAL SKILLS

Java | C++ | HTML | CSS | SCSS | JavaScript | RESTful Web Services | MySQL | Oracle9i | MongoDB | PL/SQL | Spring Framework | JDBC | JSP | Servlets | JNDI | Hibernate | Swing | Angular 8 | React | Tomcat | Agile | Waterfall | Eclipse | NetBeans | IntelliJ.

EDUCATION

Northeastern University, Boston, MA.

May 2020

Master of Science in Information Systems

Relevant Courses: Web Development Methods & Tools, Business Analysis, Program Structure and Algorithm.

Vellore Institute of Technology, Vellore, Tamil Nadu

June 2016

Bachelor of Engineering in Computer Science

Relevant Courses: Cyber Laws and Security, Data Structures and Algorithm, Algorithm Design & Analysis.

EXPERIENCE

Verizon Data Services, Chennai

June 2016-December 2017

Software Engineer

- Implemented **JAVA Spring Framework** and added various enhancements in the **EOC (End of Cycle)** code to reduce time complexity and improve accuracy of the systems by **10%**.
- Played a key role in **JITR (Just in Time Rating)** team working under EOC module for **rating data, voice and text** and provided accurate customer usage for billing process.
- Took the initiative of reducing the exceptions and issues in EOC module drastically by checking the flow with customers before actual execution of the code called **PRE-EOC** and delivered **80%** increase in efficiency.
- **Developed manual tests and functional/integration tests using JUnit**; supported deployments of developed solutions. Identified and fixed bugs which reduced code smells by **20%**.

Tata Consultancy Services, Mumbai

December 2014- June 2015

Software Engineering Intern

- Developed an application on **Microsoft Excel** that generates **Gantt chart** for employees to track their progress in assigned projects.
- Interacted with product managers, architects, engineering leads and clients throughout the development cycle.

ACADEMIC PROJECT

Portfolio Website, Boston, MA (www.aayushsrivastava.site)

August 2020

- Made a static Responsive Portfolio website using **HTML, CSS, SCSS, JavaScript** and hosted it at aayushsrivastava.site
- Used advanced JavaScript concepts like **Hoisting, Closures, Asynchronous JS, Prototypes and inheritance** to add features to the website.
- Made basic SVG **animations** using keyframes and used concepts like **advanced selectors** and **media queries** to complete the website.

Swarm Computing TSP, Northeastern University, Boston, MA

April 2019

- Developed an application to solve Travelling Salesman problem using **Particle Swarm Optimization** and **Firefly Algorithm**.
- Implemented Java **Multithreading** to compare results for both the algorithm and find the best results for a particular set of particles.
- Implemented various Data Structures like **Stack, Queue, LinkedList** and Shortest Path algorithms like **Dijkstra's and Floyd-Warshall algorithm**.
- Optimized the solution to yield best result in smallest time and space complexity.

Yellow Pages, Northeastern University, Boston, MA

January 2019

- Developed a web application to sell used books online using **Servlets, JSP's, Hibernate, Spring MVC, Angular JS**.
- Utilized **Spring Security** features to enable login control.
- Implemented **Model, View and Controller** architecture for separation of logic and easier maintainability.

Financial Aid for Underprivileged Students, Northeastern University, Boston, MA

November 2018

- Designed the application using **java/swing** by implementing various objected oriented concepts and multithreading to support features like **client-server interaction**.
- Used various components of swing like progress bar, JFreeChart, JxMap successfully to implement a **mini-browser** as well as an **analysis panel for monitoring the application**.
- Added Data Persistence with **MySQL database** to make the application hold large amount of data in backend.