

Aayush Srivastava

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TECHNICAL SKILLS

Programming Languages: Java, C++, Python.

Web Technologies: HTML, CSS, SCSS, JavaScript, Node, NodeJS.

Database: MySQL, Oracle 9i, Mongo DB.

Frameworks: Spring MVC, Hibernate, Swing, Angular 6, Express.

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, Algorithms Designs.

EXPERIENCE

Verizon Data Services, Chennai

June 2016-December 2017

Software Engineer

- Executed **JAVA Spring Framework** and implemented various enhancements in the EOC code to reduce time complexity and improve accuracy of the systems
- Played a key role in JTR (Just in Time Rating) team working under EOC (End of Cycle) 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
- Participated in the **Software Development Lifecycle** (SDLC) right from requirement analysis, documentation (functional specifications, technical design), coding and testing (preparation of test cases along with implementation) to maintenance of proposed applications
- Performed team's Software Development Process; **developed manual tests and functional/integration tests**; supported deployments of developed solutions. Identified and fixed bugs by programming which increased line of code coverage by **20%**

ACADEMIC PROJECT

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

November 2018

- Designed complete application on **java swing** using various objected oriented concepts from basic to advanced level including multithreading the application 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
- Completed the project with **database** and db4o support to make the application hold large amount of data in backend.

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.
- Updated the website with latest technology like **Node, Hibernate and Rest API**.
- Implemented **Model, View and Controller** architecture for separation of logic and easier maintainability.

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 multiple Shortest Path algorithm like **Dijkstra's and Floyd-Warshall algorithm**.
- Optimized the problem to yield best result in smallest time and space complexity.