

# AISHWARYA BALYAYA

[balyaya.a@northeastern.edu](mailto:balyaya.a@northeastern.edu) | 857.308.9835 | <https://linkedin.com/in/AishwaryBalyaya> | Boston, MA

## EDUCATION

**Master of Science in Information Systems, Northeastern University | Boston, MA** Expected May 2023

Relevant Courses: Program Structure and Algorithms, Application Engineering Development, Web Design User Experience, Data Management Database Design

**Bachelor of Engineering in EXTC, Mumbai University | Mumbai, India**

May 2018

## TECHNICAL SKILL

**Programming languages:** Java, Python, SQL, JavaScript  
**Web Technologies:** HTML5, CSS, Node.js, AJAX  
**Database Technologies:** MySQL, Oracle DB, MS SQL, Mongo DB, Teradata  
**Data Visualization Tools:** Tableau, QlikView, Power BI  
**Framework & Tools:** Spring Boot, React, jQuery, Visual Studio Code, NetBeans, Git  
**Software:** Ab Initio GDE, Autosys, Informatica Power Centre

## PROFESSIONAL EXPERIENCE

**Accenture Solutions | Mumbai, India**

Nov 2018– Jun 2021

### *Software Engineer*

- Developed automation of e-mail communication for the Production Batch status using Ab Initio GDE
- Extracted and analyzed client's customer data to identify key metrics
- Developed SQL-based tools to automate data accuracy verification reducing processing time by 70%
- Worked on Teradata resource utilization using UNIX scripting to ensure the efficient running of the system
- Developed utility tool scripts in UNIX highlighting the count for the available resources
- Determine Systems performance on the basis of usage and resources availability by enhancing dashboards on QlikView and generating reports in Tableau, Power BI driving effective business decisions

### *Associate Software Engineer*

- Analyzed and optimized existing SQL queries, improving effectiveness by 30%
- Involved in development of various utilities, testing, package deployment, and jobs creation using Unix and Autosys
- Performed transformations on ETL Tool with the data gathered from source files for analyzing data
- Monitored legacy and transitioned applications meeting all the Service Level Agreements
- Performed Root Cause analysis for failures and delays of the jobs
- Compile and publish weekly Operational reports and metrics on activities performed

## PROJECTS

### **Online Streaming Website | HTML, CSS, JavaScript, NodeJS, React, MongoDB**

- Developed website to authorize user's access with valid subscriptions and seamless video streaming
- Enhanced User Experience and accomplish web page objectives by creating site structure and navigations
- Created an optimized production build using React, NodeJS, and MongoDB and maintained website using a scripting language
- Implemented enhancements that improved web functionality and responsiveness of the page

### **Boston Environmental Corporation | Java, Swing**

- Designed accessible User Interface by locating maps to improve competence in detecting pollution levels in the city and inform government officials accordingly
- Provided an asset-based mechanism to promulgate requests via concerned officials and sensor departments

### **Rental Property Management System | SQL**

- Designed a Real Estate database model that stores Transactional Data, Tenant Information, Accounting, and Property available for the Real-estate Firm
- Maintained robust database to ease the process of rental management and help monitor financial prospects of the property
- Implemented: Normalization on tables, DB performance tuning, optimize SQL scripts, triggers, cursors, and procedures

### **Optimization of MSD Radix Sort | Java**

- Implemented MSD Radix on Simplified Chinese
- Used Pinyin4j java library to convert Simplified Chinese to pinyin and further converted into Unicode
- Proposed optimization to MSD radix sort by selecting appropriate radix size for the algorithm resolution by the respective departments

### **Monitoring Automation Tool | Python**

- Developed a Monitoring Automation Tool for U.S based Insurance clients for optimized process scheduling of jobs
- Provides run time status as per the scheduled time thereby decreasing the run time by 80% and reducing manual intervention

## ACHIEVEMENTS

- Won Extra Mile award for Automating Tool which reduced manual work to much extent
- Won Accenture Ace award for contributing creative and innovative ideas for one of the Finance based projects in Accenture, India
- Creative Head of Computer Society India and also Volunteered NGO team as teaching assistant in Thadomal Shahani Engineering College