

# GAYATRI DALVI

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## EDUCATION

### Master of Science in Information Systems

Expected May 2024

Northeastern University, Massachusetts, USA

- Relevant Coursework : Application Engineering and Development, Web Design and User Experience Engineering, Concepts of Object-Oriented Design, Data Management and Database Design

### Bachelor of Technology in Computer Science & Engineering

August 2022

Dr. Babasaheb Ambedkar Technological University, Maharashtra, India

- Relevant Coursework: Big Data Analytics, Data Structures, Design & Analysis of Algorithms, Cloud Computing, Full Stack Development

## TECHNICAL SKILLS

- **Programming Languages:** Java, C, C++, JavaScript, Python, TypeScript
- **Web Technologies:** React, Node, Express, HTML5, CSS, SCSS, MVC, Ajax, , RESTful API
- **Databases:** Oracle, MongoDB, PostgreSQL, MySQL, SQL Server
- **Tools:** Git, AWS, Selenium WebDriver, WordPress, Postman, MSBI(SSIS, SSRS)
- **Operating Systems:** Windows, macOS, Linux

## WORK EXPERIENCE

### Programmer Analyst Intern

February 2022 - June 2022

Cognizant Technology Solutions Pvt Ltd, India

- Implemented **SSIS** packages for **ETL** process resulting in improved data quality and accuracy
- Utilized **T-SQL** stored procedures for data integrity validation, resulting in a **70%** increase in performance
- Formulated data filtering strategies utilizing **Power BI** tools and generated detailed reports and interactive dashboards

## ACADEMIC PROJECTS

### Easy Bank | (Java, JavaFX, SQLite3,Trello) | GitHub

March 2023 - April 2023

- Built a secure banking app with **MVC** architecture, enabling users to login, view balance and transactions, and perform banking activities
- Implemented **OOP concepts** such as Encapsulation, Inheritance, and Exception handling
- Utilized Trello and **Agile** methodology for effective project management

### Ticket Management System | (PL/SQL, Oracle) | GitHub

February 2023 - April 2023

- Designed and implemented a secure database for MBTA to store and retrieve information, covering stations, cards, tickets, recharging, check-ins, and lines
- Developed **stored procedures** for facility maintenance and transactions, improving efficiency and accuracy for the MBTA system

### Book My Event | (React, NodeJS, Rest APIs, MongoDB) | GitHub

November 2022 - December 2022

- Developed a **MERN stack** web application for event management including functionalities password hashing, jsonwebtoken tokens, and event-type filtering for enhanced security
- Built a optimized frontend using **React** UI library Reactstrap, resulting in a responsive and user-friendly interface

### Sentiment Analysis | (NLP, TF-IDF, DASH) | GitHub

October 2021 - November 2021

- Analyzed **14GB** dataset of customer reviews and simplified outputs to guide marketing and product strategies
- Utilized Selenium WebDriver for web testing and web scraping, and stored the extracted data in SQL database
- Achieved **85%** accuracy with logistic regression model by researching and evaluating various classification algorithms for improved results