GAYATRI DALVI

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Education

Master of Science, Information Systems

Northeastern University, Massachusetts, USA   Expected Dec 2024
- Relevant Coursework: Web design & User Experience, Object-Oriented Design, Data Management and Database Design, Application Engineering and Development

Bachelor of Technology in Computer Science & Engineering

Dr. Babasaheb Ambedkar Technological University, Maharashtra, India   August 2022
- Relevant Coursework: Big Data Analytics, Data Structures, Design & Analysis of Algorithms, Cloud Computing, Full Stack Development, Computer Networks

Work Experience

Programmer Analyst Intern   February 2022 - June 2022

Cognizant Technology Solutions Pvt Ltd, India
- Achieved **60%** improvement in data accuracy by analyzing **SSIS** packages for streamlined **ETL** workflows, resulting in a **30%** reduction in processing time and enhanced overall efficiency
- Utilized **T-SQL** stored procedures for data integrity validation, resulting in a **70%** increase in performance
- Generated 8 **PowerBI** reports and interactive dashboards, leveraging quantitative and qualitative analysis to redefine best practices

Software Developer Intern   November 2020 - April 2021

Giz, India
- Led team of **6** to develop HR software module for efficient attendance and leave management, enhancing organizational productivity
- Eliminated **80%** of manual data collection and boosted client efficiency by **40%** through biometric tracking and **data visualization** techniques

Technical Skills

- **Programming Languages:** Java, C/C++, Python, TypeScript, JavaScript, HTML/CSS, SQL
- **Framework:** ReactJS, AngularJS, NodeJS, ExpressJS, jQuery
- **Databases:** Oracle, NoSQL(MongoDB), PostgreSQL, MySQL, SQL Server
- **Tools:** GitHub, RestFul API, Postman, PowerBI, Tableau, Visual Studio, MSBI(SSIS, SSAS, SSRS)
- **Familiarity :** AWS EC2

Academic Projects

Todo App| (React, Semantic UI, Axios, JSON)   August 2023
- Designed end-to-end CRUD operations using **Axios**, enabling users to add, edit, complete, and remove tasks
- Improved navigation using React **Router** and organized code with React **Hooks**
- Managed data efficiently through JSON files, handling over **100+** data interactions

Easy Bank | (Java, JavaFX, SQLite3, Trello)   March 2023 - April 2023
- Built secure banking application with **MVC** architecture, facilitating user actions, view balance, payment, dashboards and end-to-end transactions, tested with 10+ users

Ticket Management System | (PL/SQL, Oracle)   February 2023 - April 2023
- Developed MBTA database for station info, card management, ticketing, and check-ins across **4** facilities, managing 10,000+ records with efficiency
- Established 3 triggers, 3 stored procedures, 4 functions to automate and streamline the **OLTP** system

Book My Event | (React, NodeJS, Rest APIs, MongoDB)   November 2022 - December 2022
- Created a secure **MERN** stack web application for event management, implementing password hashing, **JSON** Web Tokens (JWT), and event-type filtering for enhanced security

Sentiment Analysis | (Python , NLP, TF-IDF, DASH)   October 2021 - November 2021
- Extracted **14GB** of customer review data using **Selenium** WebDriver, generating valuable insights
- Achieved **85%** accuracy using logistic regression and **NLP** techniques, designed interactive dashboards