

DIVYESH DARJI

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EDUCATION

Master of Science in Information Systems, Northeastern University | Boston, MA Sep 2021 - May 2023

Relevant Courses: Program Structures and Algorithms, Application Engineering Development, Databases, Web Design

Bachelor of Engineering in Information Technology, Mumbai University | Mumbai, India Aug 2013 - May 2017

Relevant Courses: Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Software Engineering, Cloud Computing, Distributed Systems, Databases, Data Mining, Big Data Analytics

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, SQL, HTML, CSS, Bash
Database Technologies: MySQL, MS SQL, Oracle DB
Cloud & Tools: AWS, Azure, Tableau, PowerBI, MS Excel
Framework & Tools: Java Swing, JQuery, Visual Studio Code, NetBeans, Jira, Confluence, Git

PROFESSIONAL EXPERIENCE

Accenture Inc. | Mumbai, India

Nov 2017 - Jul 2021

Application Development Analyst

- Developed automation scripts in Python to improve key performance indicators by 40%
- Implemented web interface of an event registration system by leveraging client-side JavaScript and JQuery and built its user authentication and authorization module in Java
- Conducted performance testing, optimized SQL queries and stored procedures to improve data handling efficiency by 60%
- Built systems on Azure and Linux environments to incorporate key business functions for the organization
- Responsible for troubleshooting system performance by examining system logs and work process status
- Worked on security administration tasks including creating, unlocking, deleting and assigning roles to users, new client creation, deletion, local and remote client copy and client import and export
- Diagnosed performance of systems based on utilization and response time by generating dashboards using PowerBI
- Created automated file cleanup jobs on the server to keep memory usage under threshold
- Configured high availability databases using failover cluster manager to ensure system is always online
- Performed data integration, processing and profiling using Alteryx and generated reports using Tableau

PROJECTS

Healthcare Request Tracking System | Java, Swing, DB4O

- Developed a system to create and track healthcare requests including booking an appointment, placing medicine orders and scheduling appointments for diagnostic tests
- Provided an approval-based mechanism to propagate requests via concerned authorities like doctors and hospital administrators

Customer Satisfaction Analysis for multiple airlines | Python, SQL, Tableau

- Performed exploratory data analysis for customer satisfaction experience on 3.6M records
- Implemented predictive models to identify factors affecting satisfaction of customers
- Predicted factors leading to low satisfaction rating with 89% accuracy and suggested insights to mitigate it

Cancer detection & prediction using Dual Hybrid Algorithm | Machine Learning, Java, SQL

- Normalized dataset to remove outliers and trained model using supervised learning that maps an input to output based on input-output pairs
- Implemented a hybrid algorithm with Support Vector Machine and Naive Bayes for classification and clustering the data
- Attained 90% accuracy that helped reduce the risk by reviewing parameters defining the structure of cell

ETL Tool | Java, Swing, MySQL

- Performed various transformations on data gathered from different sources such as CSV, SQL and unstructured text files to a standardized format

Feedback Analysis | Java

- Engineered a system for checking genuineness of a user's feedback by comparing subjective text versus objective questionnaire filled by same user
- Used Alchemy API to identify user's sentiments and calculate the scores
- Examined feedback's authenticity by comparing scores with the questionnaire

ACHIEVEMENTS

- Member of Graduate Leadership Institute at Northeastern University
- Microsoft Certified Azure Fundamentals (AZ-900)
- Published research paper - [Cancer detection & prediction using Dual Hybrid Algorithm](#) (Vol. 8, Issue, 3, pp. 15777-15789)
- Led a team of 50 volunteers as the Secretary for Computer Society of India council for K. J. Somaiya Institute of Engineering