

AARJAV DUTT

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Education

Northeastern University, Boston

Anticipated Dec 2019

Master of Science in Information Systems

Coursework: Advanced Data Science, Data Management and Database Design, Data Warehouse and Business Intelligence

Visvesvaraya Technological University, Belgaum

Sep 2009-Aug 2013

Bachelor of Engineering in Computer Science

Coursework: Database Management Systems, Web Programming, Analysis and Design of Algorithms, Data Structure with C

Technical Skills

Database/ETL: MySQL, SQL Server, Oracle 19c, PostgreSQL, Microsoft Azure, PL/SQL, SSIS, Talend, KNIME

Visualization: Tableau, Microsoft Power BI, Qlik Sense, SpotFire

Languages: SQL, Python, Java, PL/SQL, SAP ABAP, C, C++

Tools: Microsoft Excel, Visual Basic, Visio, UML, TOAD, Eclipse, NetBeans, JIRA, PowerPoint

Work Experience

Alkermes, Waltham

Jan 2019-June 2019

Development Solutions Intern

- Designed and supported NuGenesis Electronic Lab Notebook forms for recording and reporting instrument observations
- Created proof of concept to collect Good Practice quality compliant data & generate automated reports for data analysis
- Generated reports on Oracle and Active directory for FDA audits that saved the organization time and money on licenses

Infosys Ltd., Pune

Oct 2015-June 2017

Business Analyst

- Gathered and analyzed requirements for SAP ERP processes and designed solutions for retail business users
- Created Requirements Specifications Document for standardization and outlining the functional and technical changes
- Implemented a paperless, real time e-procurement system for a banking client in SAP ARIBA in an Agile Environment

Software Engineer

Oct 2013-Oct 2015

- Performed transfer of master data (material, location) and transactional data (Purchase Orders, Sales Orders) through the core interface (CIF) between ECC and SCM systems, CIF error handling, CIF monitoring and resolution
- Designed different types of report and dialog programming, smart forms and SAP scripts with SAP ABAP and PL/SQL

Academic Projects

Northeastern University

Retail Data Integration and visualization

Mar 2018-Apr 2018

- Designed workflows and integrated data from various SORs (MySQL, SQL Server, PostgreSQL, Oracle and Excel) and created a master job (40 million rows, execution time-21min) to populate the data warehouse using SSIS and Talend
- Incorporated Slowly Changing Dimensions (SCD) to maintain historical records for predictive analysis
- Developed interactive dashboards with drill downs for Retail database leveraging Power BI, Tableau and Qlik Sense

Credit Card Fraud Detection (Python)

Jan 2018-Apr 2018

- Parsed through dataset of credit card transactions and performed Exploratory Data Analysis (EDA) through data cleaning and plotting visuals in Python
- Detected fraudulent transactions using different classifiers with feature selection on scaled and unscaled dataset
- Achieved 93% accuracy using Random Forest algorithm and 90% using Smote

Sign Language Translator (MySQL, PHP)

Sep 2017-Dec 2017

- Designed MySQL server database landscape to store different sign language data and wrote queries for optimally distributing data across the database
- Modeled ER diagram using UML and Visio for the translation model and subscription services for the website
- Created 3 use cases for ease of communication and created methods and triggers for interacting with MySQL database

Fitness Tracker (Java, Java Swing)

Sep 2017-Dec 2017

- Developed a Java-Swing to implement the ecosystem model to track the fitness of the users
- Leveraged Singleton and Factory Design Pattern strategies while developing the project
- Designed functions that enabled the users to track fitness based on the average meal taken daily and provide a healthy meal plan for the user