

AISHWARYA MANJUNATH SINGH

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EDUCATION

University of Illinois at Chicago

Masters of Science in Management Information Systems

Relevant courses: Advance Database Management, Data Mining, Business Data Visualization

Aug 2021 - present

RNS Institute of Technology

Bachelor of Engineering in Computer Science

Aug 2015 - May 2019

SKILLS

PROGRAMMING LANGUAGES: R, Python, SQL, PL/SQL, HTML, Java, C, C++

SOFTWARE: R Studio, Tableau, Jupyter, SQL Server 2014 Management Studio, MySQL, SQLite, Microsoft Excel

CERTIFICATIONS: Learning the R Tidyverse, Data Analysis with R Programming, SQL Programming

WORK EXPERIENCE

Data Analyst | College of Business Administration, UIC | Chicago, USA

Nov 2021 - present

- Implemented a robust data pipeline to generate reports using the assessment data enabling a smooth process every year in preparing for the Association to Advance Collegiate Schools of Business accreditation.

- Performing Data cleaning on student and faculty data before uploading it onto the axiom mentor for evaluation.

Application Development Engineer | Accenture Service Pvt Ltd | Bangalore, India

July 2019 - May 2021

- Responsible for writing and modification of PL/SQL stored procedure, functions, packages and Database triggers.

- Worked on service requests to fetch the required client specific data from the database using SQL and PL/SQL.

- Providing Analytical support and generating standard client reports on a daily, weekly and on a monthly basis.

- Extracted and analyzed client's customer data to identify key metrics, developed business intelligence reports and dashboards in Tableau, driving effective business decisions involving customers details.

- Created new Tables, Indexes, Synonyms and Sequences needed as per new requirements.

- Built JIRA dashboards and confluence pages to visualize business KPIs effectively and to deliver data-based insights.

- Worked in Data modeling, Data mapping and Data flow.

- Involved in Requirement gathering and writing Functional and Technical documents.

- Automated the process of sending manual reports to clients by using Oracle BI publisher. Created excel templates using BI Publisher.

PROJECTS

United Airline Performance and Competition Analysis (Tableau)

- Assessed United's performance and identified its competitors using data manipulation and assembled a descriptive dashboard with network graphs, symbol maps and scatter plots.

- Discovered United Airlines had a 7.33% cancellation rate while its competitor American Airlines had a 6.01% cancellation rate.

Tiny Frontal Face Detection using Machine Learning (Python)

- Developed a Machine Learning project that deals with Analysis, review and application of Finding Tiny Faces with a focus on counting the many faces in a demonstration/crowd.

- The project deals with finding small objects in an image based on scale-specific detectors by using features defined over single(deep) feature hierarchy: Scale invariance, Image resolution, Contextual reasoning. Algorithm based on foveal descriptors i.e., blurring the peripheral image to encode and give just enough information about the context, mimicking human vision.

Library Database Management System (SQL)

- Developed database schema, data dictionary, entity-relationship diagram, use-case diagrams to design the Library Database management system. Implemented Stored procedures, functions, triggers and exceptions using Oracle SQL Server .

- Designed to computerize and automate the various transactions like issue of books, return of books, addition of new books, addition of new members etc.

Employee Database Management System (Java, SQL)

- Implemented an Employee Database system using Graphical User Interface and Microsoft SQL Server as the database to maintain details of employees working in an organization.

- The application programming environment consisted of a User Identification page, Main interface with admin functionalities like add, update, delete and print employee data.