

PRAJAKTA IYER

piyer7@uic.edu | (732) 402-4012 | Chicago, IL | [LinkedIn](#) | [GitHub](#)

Data Analytics | Data Science | Visualization

PROFILE SUMMARY

Management and Information Systems Graduate student seeking full-time opportunities in data analytics/science starting May 2021. Experience working with huge data sets and a passion to leverage data for uncovering insights.

EDUCATION

University of Illinois at Chicago (UIC) – Chicago, Illinois **Expected May - 2021**

Master of Science in Management and Information Systems

GPA: 3.68

Coursework: Data Visualization, Data Mining, Big Data Analytics, Graph Databases, Advanced Database Management, Cybersecurity, Statistics for Management

University of Mumbai **July 2015**

Bachelor of Engineering in Computer Engineering

Coursework: Database Management Systems, Object-oriented design, Data Structures, Algorithms

TECHNICAL SKILLS

Programming: R, Python, SQL, GSQL, Cypher, Hadoop, Spark, Java, C#, JavaScript, XML

Tools/IDE: Tableau, RStudio, Jupyter Notebook, MS Excel, GIT, TFS

Databases: MS SQL Server, TigerGraph, Neo4j, MySQL, MS Access

Analytical Skills: Data Analytics, Statistical Predictive Modelling, Data Mining, ETL, Machine Learning, Data Wrangling

PROFESSIONAL EXPERIENCE

ADA Great Lakes Centre - Graduate Research Assistant **Feb 2020 - Present**

- Implemented modules for screen reader friendly web applications for specially abled users.
- Integrated twitter API to dynamically manage social media feed of Great Lakes ADA enhancing social media engagement.
- Designed and deployed **Python** scripts using **NumPy** and **Pandas** to automate attendance management of webinars which reduced processing time by 50%.

Tata Consultancy Services - Systems Engineer **Aug 2015 - Oct 2018**

Visa Facilitation Services Global | Liberty General Insurance **Mumbai, India**

- Implemented modules for workflow management software to manage over **300K** visa processing requests per month
- Designed **migration and data aggregation** scripts for multiple production databases
- Prepared **Microsoft SSRS** reports integrated with stored procedures to study business trends
- Developed modules for GST integration automating tax calculations using **.NET Web Forms with SQL Server**
- Designed complex SQL queries to automate Health Insurance policy generation process to improve efficiency by 30%
- Implemented **SQL Server jobs** to automate processing of claims, reducing process time by 50%
- Monitored and presented findings of Database traffic and reduced server load by 25%
- Conducted regular training sessions for team members

PROJECTS

Graph Database Implementation for Healthcare Data - TigerGraph, Neo4j

- Performed research and comparative analysis of two vendors, **TigerGraph** and **Neo4j** using healthcare data
- Design a data pipeline to optimize the process of Healthcare Data Management from Aggregation to Visualization using Graph databases.

On-time performance analysis of an airline company - Tableau

- Created analytical **Tableau** dashboards for an airline company to study their on-time performance using different visualization techniques like network graphs, geospatial visualizations, charts, and plots

Movie Recommender System - Python, PySpark

- Designed a movie recommendation engine with collaborative filtering, popularity based and content-based filtering techniques using Python PySpark

Sentiment Analysis using R - R, R-Studio

- Developed a bing lexicon model to categorize words based on their sentiments by performing binary classification and quantified the magnitude of it.

Brainstorming tool for Hyde Park Day School - HTML, CSS, d3.js

- Constructed a Proof of Concept for an online brainstorming tool that caters to children with learning disabilities to independently generate ideas using graphic organizers

AWARDS AND ACHIEVEMENTS

- Awarded with on-the-spot award for efficient delivery of critical functional modules
- Awarded with Best team award for successful project delivery