Shirish **Soni**

DATA ANALYST · FULL STACK DEVELOPER

📱(+1)639-571-1700 | ✉ shirishsoni12@gmail.com | 🏠 shirishsoni.pythonanywhere.com | ⓖ ShirishSoni | 🔗 ShirishSoni

Summary of Qualifications

- Knowledge of different phases of SDLC including Agile Kanban Development Environment, SCRUM programming and Test-Driven Development.
- Experience in relational database development and data manipulation, for creating complex database queries, writing constraints, indexes, Stored Procedures and all key concepts of RDBMS using MySQL and Microsoft SQL Server.
- Experience in interacting with clients for requirement specifications.
- Effective written, oral, interpersonal communication and management skills.
- Highly motivated with organizational, analytical and multi-tasking skills.
- Strong team contributor with good understanding of team work.

Skills

Programming	Python, Kotlin, Java, C#, C++
Web Technologies	Django/REST Framework, Flask, PHP, HTML5/CSS3, Bootstrap, Javascript/JQuery, D3.JS
Analytics and Cloud	Scikit-Learn, TensorFlow, Keras, Apache Spark, ETL, Data Modelling, AWS, Azure MLStudio
Databases	MySQL, MS SQL, MongoDB, Firebase
Other	SharePoint 2013, Nintex Forms and Workflows, ArcGIS Pro, IDRISI TerrSet, Android Studio, Anaconda

Education

MS in Computer Science
GPA: 4.0

UNIVERSITY OF REGINA, REGINA, CANADA · *January 2018 - January 2020*

- Major focus on Data Science and Artificial Intelligence along with mobile application development, IoT, Human Computer Interaction and Business Intelligence.

BE in Computer Engineering
GPA: 3.7

GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD, INDIA · *August 2013 - June 2017*

- Major focus on understanding different programming languages while applying their concepts.

Experience

Mobile Application Developer
Regina, Canada

UNIVERSITY OF REGINA · *January 2020 - March 2020*

- Digitalized paper-based safety forms on Android Platform.
- Created an application using KOTLIN as a programming language.
- Created REST API using Python Flask to communicate with MySQL Database.
- Implemented Material Design concepts for UI/UX development.

End User System Analyst

Calgary, Canada

ExxonMobil

September 2018 - April 2019

- Created a Google's BERT algorithm-based ML model using Python to summarize large legal documents for the legal team.
- Worked with Data Science team to develop custom Machine Learning models.
- Developed SharePoint based AppStore using Nintex form and workflow, JavaScript, and SharePoint Web Services to replicate the custom solutions.
- Created SharePoint sites, built custom Nintex forms and workflows, and managed SharePoint permissions as requested by the customers.
- Worked in Agile Kanban software development environment.
- Handled client communication for project critical development.

Projects

Article Activity Visualizer

Python, D3.JS, Data Visualization, Natural Language Processing, ETL, Jupyter Notebook, MySQL   *May 2019 - August 2019*

- Information visualization concepts implemented to analyze nonstructural data.
- Extracted keywords, sentiments and summarized the nonstructural text data using ETL process.
- Implemented a dashboard using D3.JS to visually represent the extracted information.

Predicting Rainfall In Australia

Ipython, Data Visualization, Data Cleaning, Machine Learning   *May 2019 - August 2019*

- Performed exploratory data analysis and data scrubbing to clean the dataset.
- Data visualization done using Matplotlib and Seaborn.
- Prediction done using LogisticRegression and validated the model using Confusion Matrix.

LUCC Analysis And Prediction For City Of Regina

ArcGIS Pro, IDRISI Terrset, Image Processing, Unsupervised Learning, Markov Chain Model, Python   *May 2018 - August 2018*

- Land coverage and use were identified using ArcGIS desktop.
- Landsat images were obtained and image processing was done to gather utmost information.
- Land use cover change analysis was done using ArcGIS Pro and the tasks were automated using Python.
- IDRISI Terrset's machine learning processes were used to perform prediction of land use change analysis.

UR SAFE CHECK

Android Studio, Kotlin, Flask, RESTFul API   *September 2019 - December 2019*

- Digitalized paper-based safety forms on Android Platform and the application is created using Kotlin.
- Created REST API using Python Flask to communicate with MySQL database.
- Implemented material design for UI/UX.

Hall of Fame Videos

Django, Bootstrap, REST Framework, SQLite3   *July 2020*

- Developed a Django website where the users can create a youtube playlist which can be shared with anyone.
- Utilizes YouTube API to find the video.
- The data is stored using SQLite 3.

Productivity Appstore

SharePoint 2013, Nintex Form and Workflow, Sharepoint web services   *December 2018 - April 2019*

- Identified the need of the team to replicate already created Sharepoint solutions using automation.
- Developed Sharepoint and Nintex based AppStore application using workflows and web services in the backend to facilitate the automation.

Certifications

AWS Certified Developer Associate,

https://www.udemy.com/certificate/UC-4dc553f4-862f-419b-8422-ac2602e8419f/

The Ultimate Hands-On Hadoop – Tame your Big Data!,

https://www.udemy.com/certificate/UC-ab42f634-0a1b-4e29-9d9e-4d6c7d1ac113/

A-Z Machine Learning using Azure Machine Learning,

https://www.udemy.com/certificate/UC-fb94cdef-3c89-4267-9800-1db1754151a4/