

# Shirish Soni

DATA ANALYST · FULL STACK DEVELOPER

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## 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.

- 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

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### 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

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**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/>