

SHIRISH SONI

PERSONAL STRENGTHS

- 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.

TECHNICAL SKILLS

Programming: Python, JAVA, Kotlin, C, C++, C#, ASP.NET, D3JS, R
Web Application: HTML5, CSS3, JQuery, PHP, AJAX, JAVASCRIPT, Python Flask, Django, Django Rest Framework, Wordpress, Bootstrap
Server: MS SQL, Oracle, MySQL, Firebase, Apache Tomcat, Wamp Server
IDE: Visual Studio, Spyder, PyCharm, Android Studio, Jupyter Notebook
Others: SharePoint, Nintex Forms and Workflows, JUnit (Testing framework), ArcGIS Pro, IDRISI TerrSet, Windows Form Application

EXPERIENCE

MOBILE APPLICATION DEVELOPER, UNIVERSITY OF REGINA, CANADA

January 2020 – June 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 SYSTEMS ANALYST (COOP), EXXONMOBIL IT, CANADA

September 2018 – April 2019

- Developed SharePoint based AppStore using Nintex form and workflow, JavaScript, and SharePoint Web Services to replicate already created custom solutions
- Created sites, built custom Nintex forms and workflows, and managed permissions as requested by the customers.
- Worked in Agile Kanban software development environment.

- Created a Google's BERT algorithm-based ML model using Python to summarize large legal documents for the legal team.
- Handled client communication for project critical development.

EDUCATION

MASTERS OF SCIENCE IN COMPUTER SCIENCE

GPA: 86.7

University of Regina, Regina, SK, 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.

BACHELOR OF ENGINEERING IN COMPUTER ENGINEERING

GPA: 87.5

Gujarat Technological University, Gujarat, India

August 2013 – June 2017

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

PROJECTS

UR SAFE CHECK / ANDROID, KOTLIN, FLASK, REST

OCTOBER 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

Technologies: Kotlin, Python Flask, Material design, MySQL, Retrofit2, GSON

ARTICLE ACTIVITY VISUALIZER / PYTHON, MYSQL, D3.JS

MAY 2019 – AUGUST 2019

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

Technologies: Python, Data Visualization techniques, WAMP Server, Jupyter Notebook, MySQL, D3.JS

PRODUCTIVITY APPSTORE / SHAREPOINT 2013, NINTEX

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

Technologies: Sharepoint 2013, Nintex Form and Workflow, Sharepoint web services

CALCULATING PROBABILITY OF DEFAULT / PYTHON, PREDICTIVE ANALYSIS, ARTIFICIAL INTELLIGENCE

JANUARY 2018 – APRIL 2018

- Investigated the functioning of financial institutions using Basel II Accord.
- Implemented Maximum Likelihood Estimator to predict the Probability of Default.
- Derived factors to use as parameters for the predictive model.

Technologies: Python, Maximum Likelihood Estimation, Machine Learning

MEMBERSHIPS AND
ACTIVITIES

Student Member, CSSS University of Regina March 2018

Manager, Student Activity Cell, Gujarat
Power Engineering and Research Institute July 2015 – January 2016

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/>
