**Prakash Acharya**

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**SUMMARY**



Team player with data analysis and data visualization skills and solid computer science background, interested in the field of Data Science and Software Engineering. Coming with over eight years of experience in object-oriented application design and development in enterprise application environments with exceptional troubleshooting, analytical, training, leadership and communication skills.



**EXPERIENCE**



**Software Developer**

**Digital Infuzion** **Dec 2019, Gaithersburg, MD**

• Web Application using ASP.NET MVC, EntityFramework, KnockoutJS, Angular

**Software Developer**

**Financial Software Solutions, LLC** **Feb 2016 - Jan 2019, Houston, TX**

* Software Development using .NET technologies, JavaScript and jQuery
* Third party API integration and migration of data from other clients to the system.
* Data Extraction from website and documents using regular expression
* Financial reports using Crystal Reports and XSLT Transformation
* Create stored procedures, user-defined functions, views and complex SQL queries

**Research Assistant**

**University of Houston - Clear Lake** **Aug 2015 - Dec 2015, Houston, TX**

* Text Mining (Split the words from the corpus)
* Automation using KNIME

**Software Engineer**

**Deerwalk** **Aug 2012 - July 2014, Nepal**

* Developed a custom Object Relation Mapping that was used throughout the product of client.
* Team member in application architecture and database design.
* Developed applications using .NET frameworks and MS-SQL server.
* Technical Documentation of software.
* Unit Test (NUnit), Integration Test
* Mentored a student at Deerwalk Institute of Technology for final project.

**Intern**

**Deerwalk** **May 2012 - July 2012, Nepal**

* Developed application using .NET web forms.
* Created store procedures in MS SQL.

**Founder Member**

**Nepabyte** **June 2011 - July 2014, Nepal**

* Created content management system according to the need of clients using .NET related technologies.
* Number of clients supported: 5



**PROJECTS**



**Auto Insurance Fraud Detection**

* Detect insurance fraud from the data. The data was cleaned using pandas. The incoming data was accessed using spark streaming and passed to decision tree model to detect fraudulent claims. The data was then stored in MongoDB.

**Twitter Data Analysis**

• Analyzing Twitter feed using spark streaming to find trends and hashtags.

**Data Visualization: Traffic Incident in City of Austin**

* Used the traffic incident data from City of Austin to create a data visualization for various traffic incidents using Tableau. The data was cleaned in python and then fed to Tableau.

**Data visualization: Bankruptcy Cases filed and assets trends at Financial Software Solutions**

* Created visualization to see from which state a greater number of cases are being filed. Finding the trends in assets which helped in developing a Research Website tool. Based on the data visualization the tools for Zillow, Nada were developed using selenium.

**Virtual Tour of University of Houston – Clear Lake**

* Created a virtual environment of University of Houston – Clear Lake using Unity 3D

**EDUCATION**

**Graduate Certificate Data Science**

University of Maryland Baltimore County • Baltimore, MD • 2020 • 3.85

**MS Software Engineering**

University of Houston - Clear Lake • Houston, TX • 2015 • 3.65

Software Engineering Program Outstanding Student

**BE Computer Engineering**

Kathmandu University • Nepal • 2012 • 3.65



**SKILLS**

**Front End:** HTML, CSS, JavaScript, jQuery, Knockout JS, Angular

**High Level Languages:** C, C++, C#, Objective C, Python

**.NET Technologies:** ASP.NET (Windows Forms, Web Forms, MVC)

**ORM Tools:** LINQ, Entity Framework, ADO.NET, PetaPoco

**Web Services:** REST (Python Flask), WCF

**Database:** MySQL, MS SQL Server

**Version Control:** Subversion, Mercurial, GIT, Microsoft TFS, Mac Hg, Source Tree

**Machine Learning Algorithms:** kNN, Linear Regression, Naïve Bayes Classifier, Decision Trees, Clustering (k-Means, Agglomerative, DBSCAN)

**Big Data Technologies:** MongoDB, Spark, Spark Streaming

**Data Visualization Tool:** Tableau

**Others:** Unity 3D, Crystal Reports, XSLT, Exchange Web Service, Selenium Web driver



**ADDITIONAL TRAINING**

**Data De-Identification Training**

**HIPPA Training for US Health Care**