

Venkata Ramkiran Chevendra

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<http://ramkiransblog.com>

PROFESSIONAL SUMMARY

- Graduate Student with 4 years of experience in all phases of Software development life cycle with expertise in Python3 and Java.

EDUCATION

- **University of Illinois at Chicago** - MS in Computer Science (GPA: 3.44/4) August 2016 – May 2018
- **JNTU Anantapur** – B.Tech Electronics and Instrumentation Engineering (GPA: 7.82/10) September 2008-April 2012

TOOLS AND TECHNOLOGIES

- **Languages, databases & Packages:** Python3, Java, C, C#, MySQL, NoSQL, SQL, Oracle, sqlite3, JavaScript, JSON, UNIX shell scripting, Linux, PeopleSoft, *Python packages for data analytics:* pandas, numpy, matplotlib, pyplot, nltk, sklearn.
- **Web development, Server-side scripting & Tools:** Django 1.9, RESTful with Flask, NodeJS, ASP .NET, PHP, MySQL workbench, Apache, XAMPP, LAMPP, Postman, Nginx, Gunicorn, Atom, Sublime Text, Jupyter Notebook, PyCharm, HTML5, CSS.
- **Concepts:** RESTful Services, Scrum/Agile Methodologies, SDLC, HTTPS, Object oriented design methodology.
- **OS:** Ubuntu 16.04, Windows 10
- **CITI Group1 and Group2** (Biomedical/Social/Behavioral Research), **HIPAA** certified

EXPERIENCE

Software Developer (Graduate Research Assistant) UIC College of Medicine, Chicago February 2017 - Present

Project Description: CHECK Data Analytics and Web development

- Analyze and generate monthly, weekly reports on CHECK HFS data to analyze different population (Enrolled, Engaged & Control) Use python and their packages for data visualization and for generating reports.
- Develop web pages based on the requirements from evaluation manager. Use PHP for programming and server-side interaction and use XAMPP to connect to Apache and MySQL.
- Automated monthly report generation process. Used shell scripting to call various python scripts and database stored procedures that takes raw HFS data as the input and generate monthly PMPM reports along with the data visualization graphs and corresponding reports.

Systems Engineer – Infosys Limited Client – Walmart, Mexico and Central America Operations September 2013 - June 2016

Project Description: PeopleSoft and OS (Open Systems) developer

- Developed websites using ASP .NET with C# in the backend and provided technical support for the client Walmart (Mexico and CAM). Used Ajax for interaction with the server and MSSQL as the database.
- Extensive hands on experience on PeopleSoft, Oracle forms/reports. Developed PeopleSoft Pages for the Human Resources. Generated PeopleSoft reports based on the requirements of the clients and also executed automated scripts for the changes to the Oracle databases. Used python scripting to load the data to database and automated the process using Shell scripting.
- Created various stored procedures and triggers that automatically update data in the various dependent child tables when the users update parent tables via an oracle form. Created Oracle forms and reports for few Walmart retail applications

PROJECTS

Collaborative Search using slack and chrome plugin (HCI lab, <http://hci.cs.uic.edu>)

- Developed a slack bot using NodeJS that identifies need of search in a group conversation based on the keywords and suggest results that works with chrome plugin. RESTful with Flask API, Nginx, Gunicorn, POSTMAN technology and tools are being used.

HoloCL – making collaborative learning effective(<http://hai-t.me/holoc/>)

- This project is to understand the collaborative learning methods that are being practiced currently in the smart classrooms and discussions and build a cost-effective system. NodeJS, ThreeJS, Materialize CSS, Leap motion controller were used .

DataMining and Text Mining Projects

- **Implementation of MSAPriori Algorithm:** Implemented multiple minimum support Msapriori algorithm using *python*.
- **Twitter Sentimental Analysis on 2012 US elections:** Various supervised models such as SVM, Bernoulli Naïve Bayesian, Decision Tree, Logistic Regression, SGD classifier and Neural Network MLP classifier were used. The packages from NLTK, SCIKIT were used.

NiceScrum web application (Competitive CASE tool to Icescrum)

- Developed a competitive web application (CASE tool) for the existing Icescrum web application using ASP.NET, C# and MSSQL.

Blog using Django(<http://ramkiransblog.com>)

- Created a blog using Django 1.9 and python. This blog contains my latest posts and viewers can have their say in the comments section of each post. It was deployed on *Vultr* cloud-based service. Nginx and Gunicorn were used to keep the blog up and running on the server.