

# AKHIL VEMURI



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## SUMMARY

- Software Engineer well versed with technologies Flask Framework and Django.
- Experienced in developing highly scalable enterprise applications with active userbase of 1 million+.

## EDUCATION

**Master's in Computer Science**, University of Cincinnati (CGPA-3.54)

**Bachelor's in Computer Science**, RMD Engineering College, India (CGPA-3.6)

## EXPERIENCE

**Software Engineer**, Zetagle Info Solutions PVT LTD

**10/17-06/18**

- Development of the product **Viandd**, which is cloud based SAAS solution for small and medium scale industries.
- Worked with mobile app developers to interface with native app features.
- Reduced issues related to rendering by 50 percent using BEM (Block, Element, Modifier) methodology.
- Combined Angular with D3 JS to visualize customer's feedback data and generate report.
- Coordinated with the back-end developer's in the process of building the RESTful API.
- Implemented business logic for generating OTP and temporary password.

**Capstone Project Trainee**, Cognizant Solutions PVT LTD

**01/17-04/17**

- Developed web application to manage employee skill set using Django.
- Developed API end points using python/flask framework for web application of the product **RESOURCE SKILL MATRIX** for achieving CRUD operations

## TECHNICAL SKILLS

**Programming Languages:** Java, HTML, Python

**Technologies:** Hadoop Spark and Map reduce

**DBMS:** MySQL, Oracle

**Others:** Restful Web Services, AWS (EMR, S3, EC2), Docker

**Courses:** Cloud Computing, Data Structures and Algorithms, Machine Learning, Deep Learning, Taming Big Data with Hadoop.

## PROJECTS

**Image Repository Prototype Application**

**RESTful Web Services, Django framework**

- Developed a three tier RESTful web application and APIs which include features like upload, edit, Delete, Auto-delete (Open CV) is used for setting time frame.
- Achieved best performance by using Django (data caching).

**Taming Big Data with Hadoop**

**Apache Map reduce, Apache Spark**

- Analyzed New York city's vehicular incidents over a period of time using data available on official website.
- Developed Mapreduce, spark code for flexible file level data filtering for Visualizing the data.

**Twitter Sentimental analysis**

**Apache Spark, Python**

- Working on predicting US presidential elections and voters' behavior with social media and new articles data using apache spark.
- Implemented Sentimental Analysis using Twitter data to know the sentiment of the people about the tweets made by the politicians.
- Designed cosine similarity algorithm for predicting the US presidential elections.

**Implementation of Ensemble Methods for Data Analysis**

**Machine Learning, Python**

- Increased accuracy on Sklearn data analysis using baggage classifier, which uses base estimator built in package with algorithm to improve robustness.
- Implemented SVM for data sets classification.
- Implemented the algorithm and used python built in packages for data - Visualization.

## Certification

AWS Certified Developer – Associate (C9GN6K3KJJ1EQE5T).