

# Kartik Sirwani

BACKEND DEVELOPER ·

A1, Westend Apartments, Kavuri Hills Phase 1, Hyderabad, Telangana, 500081, India

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## Summary

Current Backend Developer in start-up company Nowfloats. 2 years experience specializing in backend/infrastructure, web development. Loves to code in Python, Linux and Node Js and interested in applying data science and machine learning to new emerging world problems.

## Skills

### LANGUAGES AND TECHNOLOGIES

- Languages : Python, Nodejs, C#
- Frameworks : .Net, Sails, Express
- OS : Windows, Linux
- Cloud : EC2, SQS, S3, Load Balancer
- DataScience : Python, Pandas, Scikit Learn, matplotlib
- Databases : MongoDB, SQL

## Work Experience

### Nowfloats

Hyderabad

#### BACKEND DEVELOPER

June 2016 - PRESENT

- One of the lead developers of NFX. This api project syncs merchant updates across different channels like facebook, linkedin, twitter, quikr and also gives analytics for those updates made. NFX has total 19,000 customers and handles around 50,000 updates on a weekly basis. Made REST APIs, services and cron jobs. Technologies Used: NodeJs, Sails, Express, MongoDB, Route 53, EC2, Ubuntu, Nginx, PM2, SQS, Python
- Lead developer of WMT. A tool which gives all the functions provided in adwords and facebook ad manager for running inorganic ads for merchants. Developed all the REST Apis, Architecture, Dashboard and Micro Services. Technologies Ued: C#, .Net, IIS, EC2, MongoDb, Rest Api, Javascript, HTML5, Bootstrap, Python, jquery
- Developed Wildfire Acquisition Service. It finds potential customers for buying our product who are then targeted to generate revenue. Achieved a high conversion rate of 20 per cent. Used Machine Learning(Logistic Regression) and Pearson Correlation to train the classifier on previous data. Technologies Used: Python, Scikit Learn, Pandas, Matplotlib, MongoDB, MySql
- Lead developer of Nowfloats Links Health Service. It recursively crawls all the links present in websites of customers and checks their health. Unhealthy Links (404, 502, etc.) are reported and removed later. Technologies Used: Python, Scrapy, MongoDB, SQS
- Developed Update Categorization Service. It fetches all the product updates made by the customers on their websites and then categorizes them into offers, discounts, price. Applied a bag of keywords model to classify the updates into categories. Technologies Used: Python, Scikit Learn, Pandas, Matplotlib, MongoDB
- Developed Update Spelling Correction Service. It fetches all the product updates with spelling mistakes and suggests corrections. Used tensor Flow, NLTK, python enchant and wordnet along with Levenshtein distance. Technologies Used: Python, Wordnet, Tensor Flow, MongoDB, Enchant, NLTK

### Open Source Projects

Hyderabad

#### DATA SCIENCE

Dec 2017 - PRESENT

- Survivors of Titanic: This project determines what groups of people are more likely to survive the sinking of Titanic. Applied KNN, Random Forest Classifier, Adaboost Classifier, Gradient Boost Classifier, SVM on generated features. Combined all the predictions made by these classifiers and applied a XGBoostClassifier for more precise classification. Github Url: <https://github.com/kartikwar/Survivors-of-Titanic>
- Digit Recognition: This project classifies hand drawn digits into actual numbers. The original dataset had 784 features (pixels of images). Applied PCA and neural network on the generated features. Github Url: <https://github.com/kartikwar/Digit-Recognition>

## Certificates

Nov 2017 **Applied Machine Learning in Python**, University of Michigan on Coursera

Oct 2017 **Applied Plotting, Charting and Data Representation in Python**, University of Michigan on Coursera

Sept 2017 **Introduction to Data Science in Python**, University of Michigan on Coursera

## Education

### Birla Institute of Technology and Science, Pilani

Pilani, India

B.PHARM. PRE-PHARMACY STUDIES

2012 - 2016

CGPA - 7.316/10