Kartik **Sirwani**

BACKEND DEVELOPER ·

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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
- Shell : Bash, GitBash, CMD, Powershell
- Databases : MongoDB, SQL

Work Experience

Nowfloats   *Hyderabad*

BACKEND DEVELOPER   *June 2016 - PRESENT*

- 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
- One of the lead developers of NFX. This api project syncs merchant updates across different channels like facebook, linkedin, twitter, quickr and also gives analytics for those updates made. NFX 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 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, Scrappy, MongoDB, SQS
- Developed Wildfire Acquisition Service. It finds potential customers for buying our product who are then targeted to generate revenue. Used Machine Learning(Logistic Regression) and Pearson Correlation to train the classifier on previous data. Technologies Used : Python, Scikit Learn, Pandas, Matplotlib, MongoDB, MySql
- 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 and SVM classifier(Machine Learning) 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 feautres. 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