**DSA**

Drop Shipping Automation

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| Tools | Version/Comment |
| Spring | 4 |
| Hibernate | 3 |
| Web services | REST API |
| pyCharm | 1.4 |
| Python | 3.6.3 |
| Eclipse | Oxygen 3A |
| AWS | EC2, BeanStalk, RDS and CodeStar |
| GitHub | Gitbash |
| Selenium webdriver for python | 3.1 |
| BeautifulSoup for Python | 4.4 |

**Summary**

AI automation in supply chain domain has its advantage in reducing man power hence by-producing a substantial revenue.

**Training**

* Spring MVC configuration with Hibernate in Eclipse – maven – Jquery – JSON - CRUD
* Spring hibernate CRUD operation with web services
* SOAP and REST API
* See through the complete online shopping project flow and make necessary changes.  
  https://github.com/Raj-kishore/online-shopping
* Implementation of JUnit in project testing.
* Scrapping and Annotating products from AliExpress using Python libraries – Selenium and bs4
* Automate the whole supply chain with AliExpress.

**Project work flow**

***Master branch URL:***

<https://github.com/Raj-kishore/DSAutomation/tree/master>

Using Selenium web driver or BS4 library Python API, you need to scrap through a given range of products. Then you need to extract data from products in JSON or REST API format. You need to push the generated file to github URL in your respective git branch otherwise fork the repo and pull request to me.

The website front and backend has to be developed in Java EE with Spring MVC, Hibernate along with RESTful webservices.

The website will be deployed in AWS BeanStalk.

Every day the a crawler written in Python should crawl through the listed products on Aliexpress.com ,update the prices and push it to gitHub. Those price updates from github will be fetched and sent back to AWS RDS those are in the end be shown back to the JSP page in response.

The orders details will be updated in a excel sheet and drop ship requests will be sent to respective merchant manually and a response messages will be auto generated and processed to the buyers.

The project’s goal is to look for ways for automation in supply chain management system.