

**SACHIN KALSI**, passionate programmer

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[Portfolio](#) | [Blog](#) | [LinkedIn](#) | [Github](#) | [Stackoverflow\\_Story](#)

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## CAREER SUMMARY

- A passionate programmer with 4.5 years of experience in developing e-commerce websites, specializing with business logic and database modeling.
  - Proficient with Data Structures and algorithms.
  - Hands on experience in developing API services in an Agile environment
  - Currently pursuing **Machine Learning** course in [AppliedAICourse.com](#)
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## TECHNICAL SKILLS

- **Machine Learning:** KNN, Naive Bayes, Logistic Regression, Decision Trees, Ensemble models, Unsupervised learning Algorithms, Deep Learning.
  - **Programming Languages:** Python3, Java(Fluent, Prior Experience), Node JS (Proficient)
  - **Database:** MongoDB (Fluent, Prior Experience), MySQL (Basic)
  - **Web servers:** Nginx(Basic), Express JS(Proficient)
  - **Cloud-computing services:** Amazon Web Services (AWS). I have used EC2, S3, Route 53
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## EXPERIENCE IN INDUSTRY

- As a Software Engineer in Calient Technologies from Oct, 2017 to present.
  - As a Senior software developer in Cogoport from Feb, 2017 to Sep, 2017.
  - As a software developer in Techniche e-commerce solutions from Apr, 2015 to Feb, 2017.
  - As a technical consultant in Hewlett Packard from Aug, 2013 to Dec, 2014.
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## MACHINE LEARNING PROJECTS:

### ❖ Stackoverflow Tag Predictor ([GitHub](#), [Blog](#))

- **Problem type:** Multi-Label classification
- **Models Used:** Logistic Regression, Linear SVM
- **Problem Statement:** Suggest tags based on the content present in the question posted on stackoverflow.

### ❖ Human Activity Recognition

- **Problem type:** Multi Class classification
- **Models Used:** LSTM (Deep Learning)
- **Problem Statement:** Classify sequences of accelerometer data recorded by smart phones into known well-defined movements

### ❖ Quora Question Pair Similarity ([GitHub](#))

- **Problem type:** Binary classification
- **Models Used:** Logistic Regression, Linear SVM, XGBoost
- **Problem Statement:** Classify whether question pairs are duplicates or not

### ❖ Taxi Demand Prediction

- **Problem type:** Regression
- **Models Used:** KMeans, Random Forest, XGBoost
- **Problem Statement:** Predict number of Taxi required for a given location and for a given time (10 minutes)

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## PROJECT DETAILS (IN INDUSTRY)

### ❖ Link Discovery & Verification Automation ([calient.net](#))

- **Duration:** Nov, 2017 to present
- **Role Played:** Backend developer
- **Language & DB:** JAVA, MySQL

Designed an algorithm to auto discover the ports connected to optical switches which has reduced the human efforts by 20 hours approximately Prior to this, the task was being done manually.

## ❖ Marketplace for International Logistics ([cogoport.com](https://cogoport.com))

- **Duration:** September , 2016 – present
- **Role Played:** Full Stack Developer, Database Design, Data Analytics, Funnel Analysis, Crawling various websites
- **Tools & technologies:** Node JS, AWS EC2, MongoDB, React JS, RoR , Redis

Cogoport is a digital platform for integrated ocean logistics solutions. It provides instant freight rates for a shipping requirement. It also provides an option to put up bid requests for which the customer will get quotations from several freight forwarders.

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## HOBBY PROJECTS

### 1. WhatsApp Chat Analyser ([GitHub](#)):

Get stats, fun facts, analytics etc from your WhatsApp Groups.

### 2. Track Email ([Github](#)):

This application lets you know whether emails you sent have been read by recipients or not. Also it will let you know when a recipient has opened an email

### 3. MEME Detector (Deep Learning):

This application will detect whether the given image is a MEME or not.  
Currently I am working on this project

### 4. Anonymous Video Upload ([Github](#), [Website](#))

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## PERSONAL DETAILS

- ➔ Date of Birth : 03-SEP-1991
- ➔ Nationality: INDIAN