

Satvik Sachdev

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QUALIFICATIONS

- Highly skilled Software Developer and Data Analyst with 3 years of software development experience.
- Strong understanding and experience with Object Oriented Programming in Java and Python.
- Capable of developing scalable asynchronous applications. Knowledge of its quirks and workarounds.
- Strong understanding and experience with SOA and RESTful APIs.
- Good understanding of back-end programming language & server side templating language.
- Capable of quickly learning new technologies & adapting to a fast-paced development environment.

SKILLS

- **Programming Languages:** Python, Java, JavaScript, PostgreSQL, MySQL, R, Redis, MongoDB, Android
- **Web Development:** HTML5, Flask, AngularJS, NodeJS, CSS, JQuery, AJAX, KnockoutJS, Bootstrap
- **Data Science:** Numpy, Pandas, SciPy, R, Doc2Vec, Machine Learning, Tableau, NLTK

EDUCATION

- **Master of Science in Information Technology**, Arizona State University • **GPA: 3.63** **2017**
- **Bachelors in Information Technology**, Manipal Institute of Technology • **GPA: 3.50** **2014**
- **Full Stack Web Developer Nanodegree**, Udacity –Co-Created by Google, AWS, GitHub, AT&T
- **Data Analyst Nanodegree**, Udacity – Co-Created by Facebook and Tableau
- **Java Programming Language Certified by Sun**

EXPERIENCE

Full Stack Developer, BestBooksPrices.com and Sideplease.com **2014 - 2017**

- Optimized the application for maximum speed and scalability using **NodeJS & ExpressJS**.
- Designed & Implemented low-latency, high-availability and high performance real-time application.
- Leveraged **NodeJS**'s non-blocking I/O model to create an efficient data intensive real-time application.
- Performed real time database queries for insertion, update, search and aggregation using **MongoDB**.
- Responsible for designing and developing the responsive user interface using **Bootstrap & AngularJS**.
- Developed multi-threaded scrapers to extract, transform and load data from dynamic websites by reverse engineering javascript. Integrated data from multiple sources using key-value store **Redis & MongoDB**.

Software Developer, Taxi Grabber **2016**

- Developed multi-threaded real-time solution for seamless interaction with Uber, Lyft and Ola APIs.

PROJECTS

Books Catalog, Flask, Linux, PostgreSQL

- Designed & deployed RESTful application using Python framework Flask.
- Implemented third-party OAuth authentication & mapped HTTP methods to CRUD operations.

Neighborhood Map, Flask, KnockoutJS, PostgreSQL

- Developed single page application featuring local places on a Map. Load data using foursquare API.
- Designed dynamic Javascript UI with MVVM pattern using KnockoutJS.
- Deployed web application to a server & properly secure application to maintain stability & security.

Fraud Identification using Enron Email, Machine Learning

- Performed feature selection, feature scaling, feature engineering and outlier analysis & removal.
- Modeled and evaluated classifiers based on Precision, Recall, F1 Score and ROC Curve. Optimize model using Grid Search. Validated the model using 3-Fold classification technique.

Analysis of Red Wine Dataset, R

- Explored relationships by performing bi-variate analysis using scatter plots, line plots and correlation.
- Reshaped data using multivariate exploration techniques to find patterns between multiple variables.

Wrangle OpenStreetMap Data, Python, MongoDB

- Ensured data for validity, accuracy, completeness, consistency & uniformity.
- Stored, queried, aggregated and parsed data from large files using MongoDB.

SimScore: Plagiarism Detection, Python

- Designed algorithm the bag-of-words model for classification and detection of similar documents in fast, cost efficient manner.
- Performed k-means clustering & hashing to group new duplicate documents.