

# Kiran Prasannadas

[kiranprasannadas@gmail.com](mailto:kiranprasannadas@gmail.com) | [kiranpdas.github.io](https://kiranpdas.github.io)

## SUMMARY

An innovative Software Engineer with over 3 years of experience in building software solutions for diverse business domains and very good knowledge in big data engineering and data analytics.

## EDUCATION

### MS in Business Analytics and Information Systems (GPA: 3.9/4.0)

University of South Florida | Tampa, FL

Aug 2017 – Dec 2018

### BS in Electrical and Electronics Engineering (GPA: 7.5/10.0)

University of Kerala | Trivandrum, India

Aug 2009 – May 2013

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, R, JavaScript

**Web Technologies:** Spring MVC, HTML5, CSS3, Angular

**Database:** Oracle (SQL & PL/SQL), SQL Server

**Big-Data:** Apache Spark, HDFS, Hive, Hadoop Map-Reduce, Cassandra

**Machine Learning:** Linear & Logistic Regression, PCA, Naive Bayes, Decision Trees, Random Forest, K-NN, K-Means.

**Tools:** Tableau, PowerBI, Advanced Microsoft Excel, Informatica

## PROFESSIONAL EXPERIENCE

### Software Engineer Intern, [WellCare](#), Tampa, FL | Python, SQL, PL/SQL

June 2018 – Aug 2018

- Responsible for creating algorithm to find out the admission and readmission rates of inpatient events.
- Analyzed more than 200,000 claims using **SQL and Python** queries and developed complex algorithms to identify inpatient claims that are part of single event so that the data could be used for healthcare analytics by the management.
- Developed an application using **PL/SQL** to club claims that belong to single event and calculate the admission and readmission rates that can help the management in deriving **insights** about the rates of single events.

### Software Engineer, [Tata Consultancy Services](#), Bangalore, India

Feb 2016 – July 2017

Client: [SEI Investments](#), Oaks, PA | **Java Spring MVC, SQL, PL/SQL**

- Accountable for identifying and masking sensitive data of clients in the dev environment of asset management and portfolio management applications
- Developed different algorithms to identify all the personally identifiable information (**PII**) by analyzing the relationships of all the fields in the database of **asset** and **portfolio management** applications using **Java** and **SQL** scripts.
- Created **Java** application to mask the sensitive data and related entities using the rules identified through data analysis.
- Created a web portal using **Java Spring MVC** that shows the various relationships of the PIs and allow the user to add new PIs for masking.

### Software Engineer, [Tata Consultancy Services](#), Bangalore, India

Feb 2014 – Jan 2016

Client: [GE Healthcare](#), Milwaukee, WI | **Java, J2EE, SQL**

- Responsible for data remediation of **Product Lifecycle Management** (PLM) systems of medical devices spanning over 20 countries
- Analyzed the data of PLM applications using **SQL** scripts to identify the data issues in different parameters of healthcare products
- Developed new features for PLM (Product Lifecycle Management) Application using **Java, SQL and JSP** as per customer requirements and business process guidelines in Agile Scrum based approach.
- Team lead** of 10-member team and collaborated and built cross functional relations across **Engineering, Quality and Supply Chain** functions to actively remediate the business data issues

## ACADEMIC PROJECTS

### Scheduler for Catering service employees | Java Spring MVC, Oracle, HTML, CSS

Oct 2017 – Nov 2017

- Designed and developed a database as well as a web application for the schedule and management of catering service employees.
- The application had different functionalities, based on the roles of the user logged in, such as leaves management, schedule management, shift request etc.
- The application was developed using **Java Spring MVC**, HTML, CSS, **JavaScript** and Oracle database.

#### How to get better price for your land? (Land Price Predictor) | Python, Tableau

Nov 2017 – Dec 2017

- Developed a model that could predict the price of land in the New York city using **Python** libraries **Scikit-learn** and **pandas**.
- Data was obtained from the website of New York city dept. of finance and cleaned using Python. The predictive model was built using linear regression in Python and visualized with **Tableau**.

#### Which movie should I watch? (Recommendation system) | Spark

Jan 2019

- Developed a recommendation system for movies based on collaborative filtering of user ratings and was developed using **PySpark**.
- The system could suggest related 10 new movies for users if they select a movie they like.

#### Machine to save life (Patient's future bad outcome predictor) | R

Dec 2018

- Developed a predictive model that could save the life of patients by predicting the onset of bad outcome of a patient within 12 hours.
- The model analyses various health parameters of the patient and other physical factors and predicts the outcome using **random forest classifier** in **R** with an accuracy of 95%.

#### ACHIEVEMENTS & CERTIFICATES

---

- |   |          |
|---|----------|
| •Analytics & Business Intelligence certificate by SAS-USF   | Nov 2018 |
| •Statistical Inference certificate by John Hopkins University   | Oct 2018 |
| •Achieved TCS 'on the spot' awards for on-time project deliveries client satisfaction                             | May 2017 |
| •Volunteer for teaching computer science to students of remote village schools as part of "TCS Purpose for Life". | Feb 2017 |