

ARADHYA GUPTA

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EDUCATION

University of Southern California	Master of Science - Data Informatics	May 2019
Visvesvaraya Technological University	Bachelors of Engineering - Instrumentation	Jun 2014

TECHNICAL SKILLS

Programming Languages	Python, Javascript, Ruby, JQuery, Java, C#
Database	Hadoop, HiveQL, Spark Scala, SQL, MongoDB, Firebase
Tools & Technologies	Tensorflow, Pandas, Numpy, NLP, OpenCV, NLTK, AWS, Tableau
Web Technologies	Ruby on Rails, React, Flask, HTML5, Ajax, REST, Bootstrap, D3

EXPERIENCE

Appfolio Inc.

- Software Engineer** **Jul 19 - Present**
- Implementing an automated lease renewal flow which facilitates property managers to go paperless, send multiple renewal offers and update tenant charges automatically.
 - Reduced time for lease renewal process by 33% and boosted the customer traction by 10%.

- Software Engineer Intern** **Jan 19 - May 19**
- Designed and developed a responsive React Budgeting app which enabled property managers create, plan and track the progress of their fiscal year budget.
 - Collaborated in an Agile team for complete SDLC from requirements gathering, designing, developing to testing the application.

City National Bank | Data Science Intern **Jun 18 - Sep 18**

- Collaborated on a patent-pending solution to leverage complex client connection data. Built a continuous learning scoring model to capture potential connections between clients.
- Created a graph visualization component utilizing d3js to improve usability of existing system.

Infosys Ltd.

- Senior Software Engineer** **Jul 16 - Jul 17**
- Led the automation of Weekly Status Report and set up database pipeline. It optimized manual effort saving at least 6 hours per week.
 - Collaborated to develop a “Global Issue Management System” web application to create, modify and track critical issue parameters associated with products and services provided by client.

- Software Engineer** **Jul 14 - Jul 16**
- Built “Traceability 3.0” - a BI dashboard that provides a platform for business users to perform deep-down analysis of high-volume (around 80 million records) and high-velocity traceability data received from contract manufacturers.
 - Contributed to develop “Quality Reliability Dashboard” which assisted business users in inspecting the reliability of product manufactured by component manufacturers.

PROJECTS

Knowledge Graph for Art & Artist data:

- Performed data crawling and information extraction of artist and artwork data from multiple websites.
- Worked on entity resolution and developing knowledge graph to answer question related to artists.

Car Price Prediction:

- Performed Exploratory Data Analysis on training data (100000 records and 28 features) to remove outliers and wrong entries. Compared 5 regression models for price prediction on cleaned training data.
- Employed Random Forest Regression with R2 score of 0.98.

Part of Speech tagging using Hidden Markov Model:

- Implemented Hidden Markov Model to perform part of speech tagging on a given corpus generalized for any language.
- Achieved an accuracy of 89% on English language corpus by adding Laplace smoothing.

ACHIEVEMENTS AND EXTRACURRICULAR

- Patent-pending for the product developed at City National Bank
- Graduate Teaching Assistant for Machine Learning for Data Informatics (INF 552)
- Attained “WOW” award for exemplary commitment and performance at Infosys Ltd (2016, 2nd quarter)
- Organized events for orphanages as a member of the Rotaract Club of Jayanagar, Bangalore (2013).