Anand Rajagopal

Phone: 650-471-9316
Email: anand_rajagopal@berkeley.edu
Github: https://github.com/Anand-

EDUCATION

University of California, Berkeley – Master of Information Management & Systems, GPA: 3.74 2014 – 2016
Relevant Courses: Data Mining & Analytics, Information Visualization, Natural Language Processing

PES Institute of Technology, Bangalore, India – Bachelor of Computer Science, GPA: 3.96 2007 – 2011

SKILLS AND TOOLS

Programming: Python, R, C#, C++, SQL, NoSQL, JavaScript, jQuery, HTML5, CSS3, ASP.net
Data Mining: Scikit, NLTK, Pandas
Visualization: Tableau, D3.js, Highcharts

PROFESSIONAL EXPERIENCE

Data Scientist Intern – Autodesk 2015 - Present
Predictive Analytics in Construction Projects

- Developed a model in Python for predicting the probability of safety issues in Construction
- Visualized data in R and Tableau to identify the most injury-prone areas in Construction
- Recommended design changes (now in production) for improving the quality of the collected data
- Created models to estimate the total cost incurred due to the late discovery of on-field issues
- Collaborated with internal and external stakeholders to create an analytics project roadmap

Senior Software Engineer – Philips Healthcare 2011 - 2014
Enterprise Imaging and Informatics

- Designed an interactive dashboard for remote monitoring and troubleshooting of deployed servers
- Developed a rule-based solution using MongoDB and C# to automatically route scanned images from medical devices to the appropriate radiologist
- Collaborated with team to complete data migration of medical data across more than 100 hospitals
- Optimized performance of an existing data migration process by enhancing SQL queries to reduce execution time by about 20%
- Upgraded an existing infrastructure framework to additionally support IPv6 addresses
- Automated over 200 unit test cases to increase code coverage to 90%

RECENT PROJECTS

Healthcare Analytics with Accenture – *Data Analysis & Visualization* Nov 2015

- Analyzed data to assess the impact of reimbursement changes for preventable treatment
- Delivered a model to help hospitals define their service areas and market segments

Exploring for Fun and Profit: Case Study on Jeopardy! – *Data Visualization* May 2015

- Developed interactive visualization exploring trends and behavior using D3.js, Tableau, Highcharts, HTML5
- Presented as a poster in October 2015 for *IEEE VIS 2015*, a leading conference on Data Visualization

NYCe Taxi! – *Data Mining & Machine Learning* April 2015

- Developed a predictive model to estimate the average tip for a taxi driver across New York City.
- This was primarily developed in Python with the Scikit, NumPy and Pandas packages

Hashtag Summarizer – *Natural Language Processing* Dec 2014

- Developed an application that summarizes different viewpoints associated with Twitter hashtag topics
- Developed primarily using Python and NLTK

Yapi Kapi Museum Portal - Hearst Museum Hackathon – *Full Stack Development* Oct 2014

- Developed concept and interaction design using Flask, Python and JavaScript
- Winner of Best Overall App and Best Heritage App at the 2014 "Hack The Hearst" Hackathon