Anagha U. Kelkar

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EDUCATION

The University of Southern California, Los Angeles, California   Aug 2017 - May 2019(Expected)
   Master of Science in Computer Science   GPA 3.75/4
   Coursework: Analysis of Algorithms, Database Systems, Web Technologies, Applied Natural Language Processing
University of Mumbai, Mumbai, India   Jul 2011 – Jun 2015
   Bachelor of Engineering in Information Technology | College topper and University ranker   GPA 3.95/4
   Coursework: Data Structures and Algorithms, Databases, Game Programming, Internet Programming, Operating Systems, Artificial Intelligence, Software Engineering

TECHNICAL SKILLS

Programming Languages:	Java, Ruby (Ruby on Rails), Python, C++, R
Framework & API:	Spring MVC, Hibernate, Google Visualization API, REST APIs
Databases:	MySQL, SQL, MongoDB, PostgreSQL, Gremlin, SQL server 2008
Web Technologies:	HTML, CSS, PHP, JavaScript, Angular, Node.js, AWS, GCP
Application Software:	NetBeans IDE, Java WTK, Eclipse, Bootstrap, Git, Android Studio, RStudio

WORK EXPERIENCE

Developer Intern at NXP Semiconductors, Austin, Texas (Ruby - Origen, HTML, CSS, JavaScript, RSpec)   Jun 2018 – Aug 2018
- Designed a Data Pipeline and Information Supply Chain for automation of user manuals and achieved accuracy of about 95%.
- Fetched API data from sources, stored at central storage system, extracted required data for publications using classifier, converted it to XML (Roo gem) and developed tool to convert XML to PDF format (Nokogiri gem), ready to use by end users.

Software Engineer at Infibeam.com, Mumbai, India (Ruby on Rails, HTML, CSS, JQuery)   Jul 2015 – Jun 2017
- Managed web based, production applications and prototypes through Ruby on Rails web development.
- Performed security and data protection mechanisms and implemented Ajax for dynamic updating of a page.
- Designed and implemented MVC and database architecture for applications with various databases (MongoDB, MySQL). Also created test drive / test first unit tests with RSpec.
- Executed REST API's and functionality utilizing TDD principles (RSpec, Factory girl) for mobile applications.
- Created interface for AWS S3 to Rails application communication channel using paperclip and aws-s3 gem
- Led team of 3 in execution of slow-query-log mechanism to improve database performance up to 70%.
- Resolved operational and development issues by proper and timely resolution and handled projects through Git.

PROJECTS

Library Management System [Java, Spring MVC, Hibernate, MySQL]   May 2018 – Jul 2018
- Implemented Library Management System using Spring MVC & designed REST API to fetch data from MySQL database.

Sentiment Analysis of Tweets [Python, Tweepy, TextBlob]   Apr 2018 – Jun 2018
- Determined whether a piece of writing is positive, negative or neutral sentiment based on tweets by building a model based on probabilities using Tweepy.

Yellow Pages [HTML, CSS, JavaScript, PHP, Node.js, angular, Java, Android]   Feb 2018 - Mar 2018
- Web application that allows to search for places information using Google and Yelp API, also gives results along with reviews, photos and directions using maps.

Hotel Review Sentiment Classification [Python, Numpy]   Mar 2018 – May 2018
- Developed Naïve Bayes and Perceptron classifier to identify hotel reviews as either truthful or deceptive, and either positive or negative.

Rewards and loyalty system (Infibeam.com) [HTML, CSS, Ruby on Rails framework]   Jul 2015 – Jun 2017
- Developed loyalty program system where customers earn points based on sales or special events. Features: Mobile API, Mobile connect panel, Exotel SMS, Data analytics.

INDEPENDENT PROJECTS

Object Detection [Python, OpenCV]   May 2018 – July 2018
- Implemented Face, Wink and Shush detection on static images and live video using Haar Classifier (Machine learning based approach) and OpenCV (library to search faces within picture). Image preprocessing was done by histogram equalization.

Be In Touch – Multiclient chat application [Java, Java Swing]   Jan 2018 – Mar 2018
- Developed multiclient-server chat application using sockets and threads.

Airline Management System using Machine Learning Techniques [Java, Pig, Hive, HBase]   Mar 2017 – Apr 2017
- Performed big data analysis on airline dataset - data preprocessing with Pig and Hive partitioning & clustering.

Secure IT (Learning Beyond Syllabus Project) [Java Swing, SQL server 2008]   Jul 2013 – May 2014
- Ensured safe online transactions using phishing detection to secure users from malicious websites, image encryption, audio steganography for hiding messages and offline browsing to access webpages without internet.

AWARDS and ACTIVITIES: IIT-Bombay certification for Python and Edureka certification for Big data & Hadoop developer.