ASHUTOSH PAREKH

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EDUCATION

University of California, San Diego, USA   *(Expected) Dec 2018*
M.S. in Computer Science
Coursework: AI: Probabilistic Reasoning and Learning, Recommender Systems, Natural Language Processing

D.J. Sanghvi College of Engineering, University of Mumbai, India   *2012 - 2016*
B.E. in Information Technology - CGPA: **9.25/10**

PROFESSIONAL EXPERIENCE

Software Engineer, JPMorgan Chase & Co.   *Jul 2016 - Aug 2017*
Corporate Technology, Mumbai, India
- Developed applications in Java using a micro-services architecture and deployed on the private cloud. This cloud adoption helped reduce infrastructure costs by around 60%.
- Developed a C# application to facilitate discounted early payment of invoices saving around 2-5% of total bill amount. Implemented file transfers, batch and scheduled job processing using SFTP, Mail Exchange and Scheduling APIs.
- Worked on Java Spring and AngularJS for a project which transforms semi-structured data into standard financial message formats. This saved licensing costs and halved the manual efforts previously required.
- Implemented Volunteer Management and Email Reminder features using Salesforce for NGO Atma as part of JPMC's Force for Good Program. This helped the NGO rapidly scale up and expand to multiple cities.
- Honored as one of the *top three* overall performers out of 180 Analysts from India.

Developer Intern, Quantiphi Analytics Pvt. Ltd.   *Jun 2015 - Jul 2015*
Mumbai, India
- Developed Web based Business Intelligence Tools for Data Processing and Quality Control using PHP. This helped reduce the total time taken for Quality Assurance by around 50%.
- Created the prototype for a News Aggregator Engine using Clustering Algorithms in Python and Django.

TECHNICAL SKILLS

- **Languages**: C, C++ (STL), Java, Python, SQL
- **Web Development**: Django Framework, HTML, CSS, JavaScript, PHP, Java Spring (basic), PhoneGap

PROJECTS

Ranking of DBpedia Entity Properties Using Machine Learned Ranking (MLR) Algorithms
- Ranks the various properties of a DBpedia Graph Database entity as per their relative importance.
- Supervised learning and the Random Forests Algorithm was used and implemented using Python and RankLib.
- Presented and published the paper *Heuristic Generation of Dynamic Quiz Game Using Linked Data and Gamification* at the International Conference on Inventive Computation Technologies (ICICT), IEEE, 2016.

Similar Entity Recommendation System Leveraging Linked Open Data
- Finds semantically similar resources pertaining to the given resource using Linked Data and DBpedia.
- Used various factors like the total number of common properties, the total distance between the two resource nodes in the graph and NLP techniques using the Alchemy API and implemented in Python.

Herein - Buyer and Seller Collaboration Web Portal
- Freelancing Project which enables craftsmen to setup a profile and provide their services to buyers.
- Implemented Social Auth, User Messaging and Review System, Search Functions, Dynamic Galleries and Job Posting System using Django and deployed it on Heroku PaaS using Amazon S3 for storage.

Treasure Trove - Solving the Corporate Treasurer's Conundrum
- Provides Corporate Treasurers an aggregated view of details from multiple bank accounts, auto-sweep feature, forex normalization and smart recommendations using Machine Learning to manage cash flow.
- Developed using Django, scikit-learn, Yodlee and Barclays APIs during the Barclays Rise Hackathon 2016.

ACHIEVEMENTS AND EXTRA-CURRICULAR

- **ACM-ICPC Kharagpur Asia Onsite Regionals 2014** - *Rank 57/100*
- **ACM-ICPC Amritapuri Asia Onsite Regionals 2014** - *Rank 179/265*
- **JPMorgan's Code for Good Hackathon Mumbai 2015** - *Challenge Winner*
- **DJ CSI Codeshastra Hackathon 2016** - *1st runners up*
- **Teaching Assistant** - *Data Structures and Programming Basics, DJ Sanghvi College of Eng, 2014-16*
- **Vice-Chairperson of Computer Society of India Chapter** - *Best Student Chapter of DJSCE 2014-15*
- **Dorabji Tata Trust Scholarship 2015** - *Academic Excellence*