Ashutosh Parekh

CONTACT

Mobile: +91-9029055123   Email: parekh.ashutosh@gmail.com
Website: ashuparekh.github.io   LinkedIn: linkedin.com/in/ashuparekh

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EDUCATION

Dwarkadas J. Sanghvi College of Engineering, Mumbai University   *2012-2016*
Bachelor of Engineering in Information Technology   CGPA: **9.25/10**

Selected Coursework: Applied Mathematics, Data Structures and Algorithm Analysis, Database Management Systems, Automata Theory, Operating Systems, Computer Networks, System and Web Security, Big Data Analytics, Intelligent Systems, Cloud Computing.

K.J. Somaiya College of Science and Commerce, India   *2010-2012*
Higher Secondary Certificate   Score: **90.17%**

PUBLICATIONS

Ashutosh Parekh, Nilay Shah, Lekhraj Varshney, Neepa Shah, Mitchell D'Silva, **Heuristic Generation of Dynamic Quiz Game Using Linked Data and Gamification**, *IEEE International Conference on Inventive Computation Technologies 2016*. [In Press] [View]

PROFESSIONAL EXPERIENCE

Technology Analyst, JPMorgan Chase & Co.   *July'16-present*
Risk and Finance Technology, Mumbai, India
- Worked with Java Spring and AngularJS for a project Data Prep Tool which converts spreadsheets into flat file formats. Helped save licensing costs and halved the efforts previously required.
- Scripting and process automation for production support in Risk and Finance Technology.
- Programmer for JPMorgan's Force for Good social cause working with the NGO - Atma.

Developer Intern, Quantiphi Analytics Pvt. Ltd.   *June'15-July'15*
Mumbai, India
- Developed Web based Business Intelligence Tools for Data Processing, Cleaning and Quality Control using PHP.
- Created a web based tool for data management and a News Aggregator Engine.

TECHNICAL SKILLS

- **Programming Languages**: C, C++, Python, Java
- **Web Development**: Django Framework, AngularJS, HTML, CSS, JavaScript, PHP, Java Spring (basic), Phonegap
- **Database**: SQL
- **Tools**: Git, LaTeX(basic)

TECHNICAL PROJECTS

Ranking of DBpedia Entity Properties Using Machine Learned Ranking (MLR) Algorithms
- Ranks the various properties of a DBpedia entity as per their relative importance.
- Supervised learning and the Random Forests MLR Algorithm was used for the purpose.
- Improved upon the previously published method and achieved satisfactory results along with providing an API.

Similar Entity Recommendation System Leveraging Linked Open Data
- Finds semantically similar resources pertaining to the given resource using Linked Data and DBpedia as the database.
- Uses 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.

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

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

Happy Hearts Fund (NGO) - Website and Application
- Tracks the current status of rebuilding the schools affected by natural disasters, developed as part of JPMorgan's Code for Good Challenge 2015.
- Also created a multi-lingual mobile application for collecting data for the same.

GreenCiti Waste Collection and Disposal Management Web App
- Portal for the NGO GreenCiti which allows waste donors to add requests for waste collection and admins can manage those requests.
- Various analytics are made available to the admin in the form of heat maps and predicts total waste collection for a given time frame for greater insight.

Other Projects
- Developed user management and quiz modules for the DJ Trinity fest website. Also co-created the **Android App** with push notifications. [Play Store Link].
- Webmaster and creator of the CSI student Chapter's website for the year 2014-15.
- Developed a Placement Portal for final year students in college which facilitates viewing and adding interview experiences.

ACHIEVEMENTS AND AWARDS
- Honored as one of the **best three** overall performers out of 180 Analysts from India after the completion of the Technology Analyst Program training at JPMorgan.
- Ranked amongst the **top 5** out of 75 students in the IT department after graduation.
- Placed 57th at the ACM-ICPC Kharagpur **Asia Regionals** 2014 Onsite Coding Contest.
- Secured 179th rank at the **ACM-ICPC Amritapuri Asia** Onsite Regionals 2014.
- Represented my college at the **ACM-ICPC Kharagpur** Asia Regionals 2013.
- **Challenge Winner** at **JPMorgan's Code for Good** Challenge, Mumbai 2015.
- Runner-up at DJ CSI **Codeshastra Hackathon** 2016 out of more than 150 students across Mumbai.
- Recipient of the prestigious **Dorabji Tata Trust Scholarship** for academic excellence during the year 2014-15.
- Ranked 214 (**top 2.5%**) globally at Codechef Snackdown 2015 coding contest.
- **Semi-finalist** at TCS Codevita coding contest 2014 with a rank of 380.

LEADERSHIP AND EXTRA-CURRICULAR
- **Teaching Assistant** (Data Structures and Programming Basics) and **Mentor** at DJSCE Codestars Programming Club.
- **Vice-Chairperson (Tech)** of the Computer Society of India Student Chapter 2014-15.
- **Placement Coordinator** and Member of **Student Council** of the college for 2015-16.
- **Microsoft Student Partner** for the year 2014-15.
- **Technical Head** of the ICACTA (International Conference) Committee 2014-15.
- **InfoTech Head** of the annual college festival Trinity 14-15.