Utsav Patel

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Education

Master of Science in Computer Science, University at Buffalo (SUNY) — Aug 2014 - Feb 2016
GPA: 3.70/4.0

B.Tech. in Information & Communication Technology, DA-IICT, Gandhinagar, India — 2010 - 2014

Experience

Software Engineer, GoToMeeting — March 2016 - present
Citrix, San Francisco

- Used KnockoutJS and Durandal framework to develop multiple features and maintain the web app version of GoToMeeting (app.gotomeeting.com)
- Added multi-browser support (all major 5 browsers) and also developed a ChromeBox Kiosk app.
- Worked on to reduce computer audio join time under 30 sec for 99% users.
- Configured Catchpoint, Google Analytics and internal telemetry to monitor features usage and performance.

Projects

A Dynamo style NoSQL database service — Mar - May 2015

- A key-value storage system in Android using content providers, SQLite database and emulators as nodes.
- Provided linearizability and availability at all nodes using chain replication algorithm in the multithreading calling methods (i.e. insert, delete, query).
- Also implemented Ping-ACK algorithm to detect node failure and recovery.

Personalized Search Engine for News Articles — Oct - Dec 2014

- Indexed 3000 news articles in Solr and created a website using PHP and AJAX to search for articles.
- Incorporated click-based personalized content delivery by recording user's news preferences and clicks in XML and ranked search results in JAVA using cosine similarities between user preferences and news articles.
- Highly correlated news articles were forwarded to the web pages using PHP-JAVA Bridge to deliver personalized results to each user.

UberHoot: An Uber way to connect people — Sep 2015

- As a part of the 36 hours' hackathon (BigRedHacks, Cornell University), created an Android chat application that exclusively connects passengers riding in Uber.
- Using the Parse cloud and database service on the server, implemented an algorithm that connects passengers according to their interests similarity, preferences, destinations, and location proximity.
- Used Uber's OAuth 2.0 standard API to authenticate users and get their ride information.

Classification of Handwritten Numerals — Oct - Dec 2014

- Implemented three classification algorithms - Neural Networks, Logistic Regression and Naïve Bayes to recognize and classify handwritten numerals from given images.
- Neural Network outperformed the other two classifiers with lowest misclassification rate.

Technical Skills

Languages (Proficient):	Java, Javascript (ES6)
Languages (Familiar):	C, Ruby, PHP, Python, R, Shell, Perl, SQL, HTML, ARM
Tools and Technologies:	HTML, CSS, jQuery, React, Webpack, Durandal, KnockoutJS, Redux, Mocha, Chai, RequireJS,