KASHYAP BHANSALI

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EDUCATION

M.S. in Computer Science, Arizona State University. GPA 3.44 (Expected) May 2017

B.E. in Computer Engineering, University of Mumbai, India. GPA 3.5 June 2014

EXPERIENCE

VMware, Inc.*, Intern – MBU vCOps Dev.* Summer 2016

- Worked in an Agile environment with the vRealize Operations™ on Troubleshooting app, a real-time alerting, performance monitory and capacitive planning tool.
- Developed a *scalable*, high-quality *persona-driven* User Interface with great focus on *Usability* & User-Experience for quick troubleshooting and resolution for **1000s** of VMware customers.
- Implemented Unit and functional Testing as part of *Test-Driven Development*.
- *Technologies:* ***Angular 2, TypeScript, Webpack, ES6, Jasmine, Nightwatch.js, HTML, CSS, D3.js***

GeoDa Center- Arizona State University, *Web Developer*. Fall 2016

- Worked on the ChainBuilder platform to provide users with the ability to combine complex data, graphical displays, and analysis tools.
- *Technologies:* ***JavaScript, PHP, HTML, CSS, Bootstrap, D3.js, ChainBuilder framework***

Algonation, *Software Developer Intern*. Summer 2014

- Developed a Dashboard for presenting analytics leveraging *D3.js* visualizations. Created API endpoints to use with mobile application built using ***PhoneGap*** and ***Ionic framework, Angular JS, HTML, CSS***

TECHNICAL SKILLS

Technologies: Java, Python, JavaScript, HTML, CSS, AJAX, PHP, SQL, Apache Spark, C#

Frameworks/Libraries: Angular 2, D3.js, Bootstrap, Jasmine, Webpack, Chrome Dev Tools, NLTK, Lucene, Elasticsearch

ACADEMIC PROJECTS

Extending Apache Spark for Geo-Spatial operations. Fall 2016

- Extending Apache spark to perform Geo-Spatial operations based on GeoSpark, an extension with a set of Spatial Resilient Distributed Datasets that efficiently load, process & analyze large-scale spatial data across machines.
- Implementing the functionalities like spatial join, spatial aggregation and spatial co-location to develop better performing spatial analysis programs. ***Apache Spark, Hadoop, Scala, Java***

Intelligent Visual Analytics – WebMD.com Fall 2016

- Performed *Text mining* to extract and identify Diseases, Symptoms, Geolocation, User and mapping relationships between them from WebMD (Medical Forum Q&A).
- Developed *cross-linked visualizations* to present *interesting patterns* and *analytics* over a time-series from dataset. ***Information Retrieval, NLP, JavaScript, SVG, D3.js***

Adaptive Study Guide Genie. Spring 2016

- Developed an Adaptive Study Guide system, a *hybrid recommendation system* based on *Collaborative Filtering* & *Content-based recommendation* for its users to create notes and cheat-sheet based on peers' notes and Java docs from websites like Wikibooks, tutorialspoint.com. ***Elasticsearch, PHP, MySQL, JavaScript, AJAX, Java***

Java MiniBase. Spring 2016

- Implemented different page replacement policies like FIFO, LRU, LRU-K for buffer management & join algorithms
- Developed a query planner and optimizer to improve performance of join operations. ***Java, MiniBase***

Compiler Design. Fall 2015

- Developed a fully functional compiler for a C-like language by implementing various phases like Lexical, Syntactical, Semantic Analysis, Intermediate code generation and execution. ***C, C++***

EXTRA-CURRICULAR PROJECTS

Twitter Biodata (Winning Hackathon Project). June 2015

- Developed a dashboard that provides a Bird's eye view of a Twitter Profile.
- Implemented *Clustering* and *Classification* techniques to visualize the *Social Network Graph* to gain insight about the interests and *sentiment* of a user based on their Followers and Following profiles. ***Python, JavaScript, D3.js, NLP, Text Mining***

ACHIEVEMENTS

Winner, Germin8.com Hackathon, *Awarded **1st** prize for Twitter Biodata project* (out of 7 projects). Jun 2015

Runner up, Google Developers & zonestartups.com Hackathon for Bluetooth Chat App (out of 15 projects). Dec 2014