KASHYAP BHANSALI

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EDUCATION

M.S. in Computer Science, Arizona State University, Tempe. GPA 3.47 — May 2017

B.E. in Computer Engineering, University of Mumbai, India. GPA 3.5 — May 2015

EXPERIENCE

VMware*, Software Engineer Intern.* — Summer 2016

- Developed exceptional User Interfaces using ***Angular 2***, ***TypeScript***, ***Webpack, RxJS*** to help thousands of VMware's users understand and manage their virtual environments.
- Created highly usable, feature-rich and scalable UI which focus on performance and capacity management for Datacenters and worked with **RESTful** APIs using ***Java***.
- Implemented Unit & Functional Testing for *Test-Driven Development (**TDD**) using **Jasmine*** & **Nightwatch JS**.

GeoDa Center- Arizona State University, *Web Developer*. — Fall 2016 – Spring 2017

- Worked on various User-Interface components of the ChainBuilder platform ***(Open Source)*** using ***JavaScript***, ***D3.js***, ***PHP*** to provide users with the ability to combine complex data, graphical displays, and analysis tools.

Algonation, *Software Developer Intern*. — Summer 2014

- Developed an analytics dashboard using ***Angular JS***, ***Bootstrap***, ***HTML***, ***CSS*** to make intelligent business decisions for a small business and to manage their users' information backend using ***PHP*** & ***MySQL***, for targeting the right audience.

TECHNICAL SKILLS

Technologies: Java, Python, JavaScript, AJAX, HTML5, CSS3, PHP, SQL, SASS, C++, C#, R, Git

Frameworks/Libraries: Angular 2, D3.js, Bootstrap, JQuery, Spark, Hadoop, Elasticsearch, Jasmine, Webpack

ACADEMIC PROJECTS

Gradebook using REST services — Spring 2017

- Developed a web application and created **RESTful** APIs with ***Java*** which allows a Teaching Assistant/Grader to maintain student information using CRUD functionalities.

NYC-Taxi Spatial Hot-Spots Detection — Fall 2016

- Extended ***Apache Spark*** to perform Geo-Spatial operations on Spatio-Temporal Big Data in order to identify statistically significant spatial hot spots for NYC Taxi pick-ups using GeoSpark with ***Java*** and ***Hadoop DFS***.

Intelligent Visual Analytics – WebMD.com — Fall 2016

- Developed an intelligent analytics dashboard using cross-linked visualizations using ***JavaScript***, ***D3.js, SVG.***
- Performed Text mining with ***Python***, ***NLTK Toolkit*** to understand the content of WebMD discussion forums & extract knowledge by identifying relationships between Diseases, Symptoms, Geolocation and Time.

Adaptive Study Guide – Recommendation System — Spring 2016

- Developed a web-based hybrid recommendation system using ***PHP***, ***JavaScript*** & ***AJAX*** based on *Collaborative Filtering* & *Content-based recommendation* algorithms for its users to create a study guide.
- Scraped, Indexed and Processed the data from peers notes, cheat sheets and Java docs using ***Jsoup*** & ***Elasticsearch***.

Java MiniBase — Spring 2016

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

Compiler Design — Fall 2015

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

Sentiment Analysis to Improve Emotional Health of User — Spring 2015

- Developed a web application using ***PHP***, ***JavaScript*** to perform Sentiment Analysis on their social feed and messages using a *Naïve Bayes classifier* model built with ***Python*** & ***NLTK Toolkit*** to help users tackle stress and depression by providing remedial solutions.

EXTRA-CURRICULAR PROJECTS

Twitter Biodata (Winning Hackathon Project out of 7 Projects @ Germin8.com). — June 2015

- Developed a dashboard that provides a Bird's eye view of a Twitter Profile based on their activity using ***JavaScript*** and ***JQuery***.
- Implemented a Social Network Graph using ***D3.js*** by *Clustering* the users based on their interests and performed *Sentiment Analysis* of a user based on their Followers and Following profiles using ***Python*** & ***Django.***