

VINAYAK RAVINDRA TARE

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SUMMARY: Proficient in the web application development domain and looking for Entry Level Software Engineer opportunities.

EDUCATION QUALIFICATION:

Masters of Science in Computer Science	GPA: 3.89	University of Texas at Arlington, TX	(Aug, 2016 – May, 2018)
Bachelors(B.E.) in Information Technology	GPA: 3.50	University of Mumbai, India	(Jul, 2010 – May, 2014)

TECHNICAL EXPERTISE:

Programming Languages:	Java, Python, C++, C, C#, PHP, MATLAB.
Databases:	SQL, MySQL, PL/SQL, MongoDB.
Web Technologies & Tools:	Javascript, AngularJS, NodeJS, jQuery, Bootstrap, AJAX, JSON, ASP, JSP, D3.js, HTML4/5, CSS2/3
Versioning System:	GIT, SVN.
Cloud Services:	Amazon AWS, Openshift, IBM Bluemix, Microsoft Azure.

PROFESSIONAL WORK EXPERIENCE:

WEB DEVELOPER - UNIVERSITY OF TEXAS AT ARLINGTON, USA (Finance Dept) (Jun, 2017 – Present)

- Developing a web application for Financial Literacy Program using Openshift 3.0 & MEAN (MongoDB, Express JS, Angular JS, Node JS) stack.

SENIOR SOFTWARE ENGINEER - CAPGEMINI, INDIA (Sept, 2014 – Jul, 2016)

- Secured the 2nd rank in Core Java and Advanced Java (J2EE with Spring 3.0 framework) Training & completed 2 months UI training in latest web technologies such as Angular JS, Bootstrap, JQuery, AJAX etc.
- MetLife Inst IDI M-Systems:** (Jan, 2016 – Apr, 2016)
Performed requirement analysis, coding, testing & support and efficiently managed communication & meetings with onsite coordinator to resolve various queries.
- MetLife RAD ADM (Dental Management Application) project:** (Mar, 2015 – Dec, 2015)
Developed a responsive web application compatible with 21 screen resolutions using Angular JS & Bootstrap, Java Spring 3.0. Constructed protractor, an automated testing tool for the application and documented project learning for Knowledge Management.
- Appliance Service Management System (Training Pseudo Live Project):** (Sept, 2014 – Dec, 2014)
Developed a web application for buying products online and getting the required services whenever required. Designed architecture and database schema of the project, developed web pages using Java, Oracle DB.

ACADEMIC PROJECTS:

Multinomial Naïve Bayes Text Classifier (Python) (Aug, 2017 – Dec, 2017)

- Dataset: 20 Newsgroup containing 1000 documents per news group. We used half of the documents from each group as a training set and other half as testing data. Implemented Naïve Bayes classifier without libraries such as sklearn etc. Classified the rest 50% data into newsgroups with around 85% accuracy achieved.

Data Analysis using MapR (Apache-hadoop, AWS, Java, D3.js) (May, 2017 – Dec, 2017)

- Datasets: US census data (2009-2013), US Earthquake. Performed data cleaning and analysis of dataset to find different patterns in a dataset such as average salary of male vs females for each state, number of people in age group for each state, no of earthquakes per state, earthquake prone areas etc. Data visualization was performed on the clusters using D3.js

File Storage System (AWS, MS Azure, IBM-Bluemix, Python) (May, 2017 – Aug, 2017)

- Developed web applications for storage and retrieval of data using containers on cloud service providers like Amazon Web Services, Microsoft Azure and IBM Bluemix.
- Analyzed performance of AWS RDS assisted with & without Elastic Cache using random queries (10K, 20K) & ensured availability on demand using Load Balancing & Auto Scaling.

Max Connect 4 Game (Java) (Feb, 2017 – May, 2017)

- Developed a connect-4 game using depth limited version of alpha beta pruning algorithm for computer (AI) player.
- Designed 2 modes, interactive mode to play with humans & one-move mode to play with another computer player.

Plagiarism detection system (Java) (Feb, 2017 – May, 2017)

- Implemented various String Matching algorithms like LCSS, KMP, Naive String Search, Boyer-Moore algorithm.
- Calculated their response time and accuracy to compare their performance against each other.

JavaJam Coffee House (HTML5, CSS3, PHP (CodeIgniter), SQL) (Feb, 2017 – May, 2017)

- Constructed website for a coffee shop to display their menu, location, performance and artist details & career section.

Voice Controlled Mailing System (C#, .Net) (Aug, 2013 – May, 2014)

- Developed an application similar to Gmail specifically for visually impaired people.
- Used face recognition for authentication, speech recognition to take commands to read, compose mails, & attach files.

RELEVANT COURSEWORK:

Cloud Computing, Design & Analysis of Algorithms, Artificial Intelligence, Web Data Management, Distributed Systems, Software Project Management, Machine Learning, DBMS Models & Implementation, Secure Programming.