Pavan Srinivasamurthy Koundinya

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Education

Master of Science in Computer Science **May2016**
University of Texas, Arlington **GPA: 3.81/4.0**
Relevant Course Work: Data Mining, Design and Analysis of Algorithms, Advanced Topics in Software Engineering, Information Security, Cloud Computing, Software Design Patterns, Design and Construction of Compilers, Network Programming & Applications.

Bachelor of Engineering (Computer Science & Engineering) **June 2013**
Visvesvaraya Technological University, India **GPA: 3.68/4.0**

Technical Skills

Programming: Java, Python, Socket Programming
Web programming:HTML5, CSS, JavaScript, XML, AJAX, PHP, JQUERY, NodeJS
Databases: Oracle 11g, MySQL, MongoDB, PostgreSQL, Hadoop
Tools: Eclipse IDE, Maven, SVN, Git, Tomcat, Putty, JUnit, Jboss, Wireshark, Fiddler, Netbeans
Others: Appfog, Cloudbees, AWS, Salesforce, Web Services, Scala, Shellscript, Matlab

Work Experience **July 2012 - Feb 2013**

Software Developer, Idea Brahma Pvt Ltd.
Tools and Technology used: Eclipse, GIT, HTML5, CSS, AWS
Developed modules for Telecom and Cloud Computing teams.

- Involved in development of internal website, test script preparation and execution.
- Reduced latency and access time by 20% by migrating the learning engine from local server to Amazon EC2 engine.

Academic Projects

Racers: **January 2015**
Tools and Technology: REST, Salesforce, Mongodb, Appfog, Amazon s3, Eclipse IDE
Developed a RESTful ecommerce web application for creating different tenants using Salesforce and MongoDB for storing the features and deployed it on Appfog (PaaS) and used Amazon S3 (IaaS).

Academic Advising System: **September 2015**
Tools and Technology: JSP, Servlets, HTML,MySQL Server, Design Patterns
Designed, developed and optimized an application by applying design patterns that helps students to book appointments with the advisor.

Data processing using Map Reduce in Hadoop: **February 2015**
Tools and Technology: Java, Hadoop, AWS EC2, AWS S3, AWS RDS
Analyzed the weather data of a geographical location obtained from sensors and applied mining for any interesting anomalies using Map Reduce programming APIs of Java

Cloud performance analysis: **April 2015**
Tools and Technology: Python, Php, Memcache, AWS S3, AWS EC2, AWS RDS
Developed an application to upload file on AWS S3 and transfer the data on AWS RDS using EC2 instance.

Career Clusters: **November 2014**
Tools and Technology: Python, NLTK, D3.js
Designed a clustering algorithm that grouped career choices with common features in the same cluster, using D3.js extensions as the javascript to visualize.

Pharmacopeia Search: **September 2014**
Tools and Technology: Python, Mongo DB, Flask
Developed an online search portal for obtaining data of medicines from various data sources and storing them in Mongo DB as JSON objects, implemented using Python programming language for querying and flask mini framework to implement the frontend.