Rajeshkumar Kannapalli

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SUMMARY

- Strong understanding of Recommender Systems, supervised/un-supervised learning models.
- 3 years of industry experience in Design, Development, Testing, Documentation and Maintenance of n-tier applications.
- Proficient with Big Data Technologies such as Scala, Spark, AWS, Hadoop, MongoDB, etc.

RELEVANT SKILLS

- Programming Languages : Java, C, C++, Matlab, R
- Scripting Languages : Python, JavaScript, XML
- Web Technologies : HTML, CSS, JSP, BPEL, SOAP, Bootstrap, JQuery, Selenium
- Databases : Oracle10g, MySQL, MongoDB, PL/SQL, Toad
- Big Data Processing : Apache Spark, Hadoop, Weka, Google Refine, Scala
- Tools and utilities : JIRA, Hudson, Maven, Log4j, Jmeter, Junit, WSDL

PROFESSIONAL EXPERIENCE

- Successfully lead the development of request processing from JMS, resulting a standardized process for all orders.
- POC: A SOAP based interface for a system that reduces product`s time to market from 12 to 2 weeks.
- Enhanced the ordering system in Java using Agile methodology, it was released with Zero Defects on production.
- Received 'BRAVO' award in recognition of excellent contribution to team and dedicated work.

Tools: Java, J2EE, EJB, Oracle10g, Toad, PL/SQL, Apache Axis, Jmeter, Soap UI, JSP, JavaScript, Hibernate and Struts.

RESEARCH WORK

- **AD-WIRE: Add – On for Web Item Reviewing System** (Submitted as a Demo Paper for VLDB 2016)
  A recommender system that eases online web review writing by providing meaningful tags.
  Technologies used: **Python, Selenium, Weka, Bootstrap, JQuery, MongoDB, Google Refine, NLP.**

ACADEMIC PROJECTS

- **Click-through Rate Prediction**
  Predicted CTR on Criteo labs dataset by using One Hot encoding, log loss evaluation and reduced feature hashing.
  Technologies used: **Apache Spark, Python**
- **Million Song Data Set Challenge (Kaggle Competition)**
  Predicted release year of song implementing linear regression model technique on a set of audio features in data set.
  Technologies used: **Apache Spark, Python**
- **Seed Categorization using Semi-Supervised learning**
  Built a model to predict different types of wheat seeds, applied hierarchical clustering followed by KNN classifier.
  Technologies used: **Python.**
- **Clustering Job Applications using Unsupervised learning**
  Given 1 million records of jobs, categorized the data into different clusters via Text mining and Natural Language.
  Processing. Technologies used: **Java**.
- **Author`s Blog**
  Created author`s web application which allows users to post comments and tag their posts.
  Technologies used: **Python and MongoDB**
- **Classify images using Neural Networks**
  Implemented a simple sigmoid feed forward Backpropagation neural network with a single hidden layer to classify image set.
  Technologies used: **Matlab**
- **US Census data Aggregator and Big data analysis**
  Computed the average salary for males and females for each given year and plot histogram based on buckets of age.
  Technologies used: **Hadoop MapReduce over Amazon EC2 and Google Charts**

EDUCATION

- Master of Science – Computer Science [UT Arlington, TX] (GPA: 3.75/4.0)
- Bachelor of Engineering – Information Technology [Mumbai University, India] (GPA: 3.79/4.0)

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