Jeris Alan Jawahar

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Professional Summary

I am a passionate and budding programmer by profession with 2+ years experience in data mining and visualization and web application development using Java and JavaScript coupled with quick learning and skilled problem solving ability.

Work Experience

Cerner Corporation ***Bangalore, India***

Software Engineer *July 2014-July 2016*

- Prototyped and developed a **robust, scalable framework** (JavaScript frontend & backend) for MPages, a web based EHR, **to support data localization** specific to any new locale leading to exponential growth in client usage crossing more than 3 billion page loads every month.
- Developed an **Artificial Intelligence based recommender system** (JavaScript frontend + Java backend) to support ICD-10 diagnosis concepts for determining right CPT billing fee by physicians.
- Developed a full-blown **TimeZone supported JavaScript Date-Time library** to parse, validate, manipulate and display dates.

Software Engineer Intern *Dec 2013-June 2014*

- Developed an **automated Test Driven Development Framework** using QUnit and jQuery libraries for MPages Platform leading to incorporation of unit tests and facilitated writing quality code.

Blisslogix Technology Solutions Pvt Ltd ***Chennai, India***

Android Developer Intern *May 2012–June 2012*

- Developed an **Android app Sify Gold and Silver Live**, which provides live gold prices, commodity market charts and tools to calculate gold and silver rates across the various Indian metros.

Technical Skills

- **Programming Languages:** JavaScript, Java (solid, day to day use); HTML/CSS, Oracle SQL, C++, C (Intermediate); R, Python, Node.js, MySQL (novice)
- **Operating Systems:** Experience with a wide range of Windows and UNIX environments.
- **Miscellaneous:** Android SDK, Eclipse IDE, Agile Methodology, React.js, Machine Learning

Education

North Carolina State University *Expected May 2018*

Master of Science in Computer Science

Vellore Institute of Technology *June 2010-May 2014*

Bachelor of Technology in Computer Science Engineering ***GPA: 9.05/10***

- Awarded merit-based undergraduate scholarship for excellence in academics
- Member of National Social Service and volunteered in teaching under-privileged rural children.

Technical Projects

- **News Classification (Aug 2016 - Nov 2016)** – Led a team of 4 to develop an application (using Python) to automatically classify newsgroup content into respective categories using Multinomial NB & Support Vector Machines and obtained accuracy ranging between 70-85%.
- **Diabetes Prediction (July 2013 – Oct 2013)** – Developed a classification model using supervised machine learning methods for identifying main causes of diabetes and predicting whether a person is diabetic. Achieved accuracies of 77.6% and found 5 out of 8 features statistically significant.
- **R-Tree (July 2012 – Dec 2012)** – Programmed a Graphical User Interface (Java frontend) for spatial information querying to visualize algorithms in "R-Trees - A Dynamic Index Structure for Spatial Searching" by Guttman [1984] used in databases for indexing multi-dimensional information.

Awards and Recognitions

- Won **Cerner Masters**, Cerner's highest engineering award among all global associates in Feb 2016.
- Awarded **Chancellors Merit Scholarship** – offered to the top 3% of the cohort.

Research Publications

- Amol Parikh, Nidhi Sharma and Jeris J Alan. Article: Modified Fast Bandwidth-Constrained Shortest Path Algorithm for MACO. *International Journal of Computer Applications* 69(23):41-44, May 2013