Jeris Alan Jawahar

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Professional Summary

Passionate and budding programmer by profession with solid experience in data visualization, mobile 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*

- Awarded the highest engineering award **(Cerner Masters)** across all worldwide offices for devising and developing a scalable and robust architecture to support any new locale related information and translations for MPages leading to increased client growth and satisfaction.
- Worked on an **Artificial Intelligence based recommender system** to support ICD-10 diagnosis concepts for determining the correct CPT billing fee by physicians leading to reduced coding errors and fewer rejected reimbursement claims.
- Developed a full-blown **TimeZone supported JavaScript Date-Time library** to parse, validate, manipulate and display dates.
- Took upon the primary ownership and responsibility of mentoring and developing new team members especially interns and also other teams developing within the MPages Platform space.

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, AJAX, Oracle SQL, C++, C (Intermediate); R, 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

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

- **Landslide Susceptibility Model (Nov 2013)** – Created and analysed models to predict landslide susceptibility using Weighted Naïve Bayesian classifiers on data collected from Geological Information Systems (GIS) in Nilgiris district in Tamil Nadu, India.
- **Diabetes Prediction (July 2013 – Oct 2013)** – Developed a classification model using supervised learning methods for identifying major causes of diabetes and also 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 in Java to visualize algorithms in "R-Trees - A Dynamic Index Structure for Spatial Searching" by Guttman [1984] widely used in databases for indexing multi-dimensional information.

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