PRASANTA JILLELLA

GitHub: https://github.com/Prasant-Jillella

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EDUCATION:

University of Southern California May, 2018

Masters of Science in Computers Science.

GITAM University, Andhra Pradesh, India, May, 2016

Bachelor in Computer Science Engineering.

TECHNICAL SKILLS:

Programming Languages: C, C++, Java, Android, Python, R programming.
Web Development: HTML5/CSS, JavaScript, XML, JSON, jQuery, AngularJS, JSP, PHP.
Databases: Oracle 11g, Microsoft Access, MySQL.

WORK EXPERIENCE:

Xinthe Technologies: Software Development Intern May - June 2015

- Developed an Algorithm involves determining Geographical coordinates of each 1X1 square grid in a room for the entire building whose central coordinates are given. Network population devices are placed in these locations. Developed using C language.
- IP addresses from these locations are taken and sent to server to determine number of people in building.

Visakhapatnam Steel Plant Pvt. Ltd.: Software Engineering intern June - August 2015

- Building responsive website for the library which involves various features namely: Books available, donations fields, online lease extension for borrowed books. Tools used: JSP**,** CSS, Microsoft Access Database.

ACADEMIC PROJECTS:

WEENIX Kernel development:

- The operating system involves implementation of threads and processes, file and memory management.

US Congress Web-Application:

- The Application provides details about various Legislatures, Committees and Bills of the US congress. Here Bootstrap is used for designing the website along with HTML5. The data retrieval is done with asynchronous calls to Sunlight Congress API using AngularJS and the server side scripting is done in PHP.

US Congress Android Application:

- The Application involves providing information on the Legislatures, Committees and Bills related to US congress. The application is developed with 5 frameworks and 2 activities in Android Studio.

Search Engine Development: Ongoing

- Indexing of files is done using Solr search platform and Lucene, PageRank algorithms are used for ranking the web pages. The interface is developed using HTML5 and PHP is used for handling the query processing along with python. Spell correction and query suggestions are implemented as well.

Predicting diseases using Data Mining:

- Project involves construction of decision tree by sampling of data provided then j-48 classification is used for classifying diseases into categories. The patient's symptoms are mapped to categories and then best fit gives diseases the patent is likely to suffer from. Tools used: Java Swing, Weka.

Student Portal Web-Application:

- Application developed involves course registration page, Marks analysis with graphical view of performance, file and message transfer to entered target email ID. Tools used: JSP, HTML5/CSS, JS and Microsoft Access.

ACHIEVEMENTS/EXTRA-CURRICULAR:

- Certified in Python programming and basics of Python game development by Professors at University of Michigan and Rice University respectively in Coursera.
- Stood first in switch coding and blind coding events held in IEEE fests at GITAM University.
- Creating and uploading videos on education and anime into my Channel (FunPlusEducation).