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VENKATESAN KANNAN

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EDUCATION

University of Illinois at Chicago, Chicago, IL
Master of Science in Computer Science, Degree expected: *May 2016*
Anna University, Velammal Engineering College, Chennai
Bachelor of Engineering in Computer Science   *May 2013*

SKILLS

LANGUAGES   - C, C++, SmallTalk and Java
PACKAGES   - MySQL, MATLAB, SAP, PostgreSQL and R
WEB DESIGNING - JavaScript, J2EE, jQuery, PHP, HTML, AJAX, Node.js, D3.js, AngularJS, RESTful web services and CSS
TESTING   - JUnit, Selenium, QTP
WEB & TOOLS   - Intrafinity, Drupal, WordPress, XML, XSLT, XPATH, WSDL, Bootstrap & LESS

WORK EXPERIENCE

Department of Computer Science, University of Illinois at Chicago
Teaching Assistant – Operating Systems CS385,   *October 2015-Present*
- Participate in the assessment process, using a variety of methods and techniques and provide effective, timely, and appropriate feedback to students to support their learning.
- Formulate & Assist students with Assignments on kernel xv6

UIC Daley Library, University of Illinois at Chicago
Graduate Assistant,   *April2015-Present*
- Scientific journal datamining and assisting patrons in their research
- Unit and functional testing experience of library.uic.edu's   website, SUMMON tool and library databases
- Professional testing & reference experience in ProQuest, PubMed and library databases

Human resources Information System, University of Illinois at Chicago
Web Developer Intern,   *May 2015-August 2015*
- Maintained and updated modules in hr.uic.edu website using INTRAFINITY CMS according to requirements
- Modified hr.uic.edu's front-end mobile friendly and responsive using jQuery mobile and Bootstrap CSS
- Identified and evaluated new technologies while considering user needs. Analyzed code to find causes of errors and revised programs as needed.
- Developed Employee performance rating system's front end using PHP and Javascript and MySQL Database

Cognizant Technology Solutions, Coimbatore
Programmer Analyst,   *December 2013-July 2014*
- Gave technical solutions to Employees of Asian paints in MM, MDM, PP, SD modules
- Projected monthly, yearly material inflow of sales depots using R
- Developed internal web application for calculating and logging average time taken for resolving an issue using JSP
- Exposed to Prototype, Water Fall and Rapid Application Development (RAD) development methodologies

Addison Amalgamations, Chennai
Software Quality Assurance Intern   *Jan 2013-July 2013*
- Involved in data analysis and in maintaining the efficiency of source code using tools like Bullseye Coverage, Code coverage, CodeCheck and AppLoader.

ACADEMIC PROJECTS

Parking Lot assistor implementing search of Spatial–Temporal Resources –JS, PHP, Google Maps API
A parking lot assistor based on a probabilistic model built by analyzing historical parking data in metropolitan cities and by implementing two approaches such as gravitational pull algorithm and greedy algorithm.

Redesigning Interface of travelmidwest.com – JS, AngularJS, JSP, MySQL, GeoJSON, Bootstrap and LeafletJS
Revamping the complete existing layout of travelmidwest website by re-designing a user friendly interface and also implementing new features. Followed strict MVVM/MVC patterns to improve source code maintenance and code reduction, ease of upgrade. Implemented traffic pattern visualization using LeafletJS

Real-time Stock Market Simulator – JSP, PostgreSQL, JQuery, Hibernate, AJAX, CSS and RESTful Web services
A web application for real-time simulation of stock market using the web services provided by Yahoo finance and data analysis projections using jQcharts. Web interface in Java, J2EE and Hibernate framework. Web pages in Struts and JSP with scripting in JavaScript to enrich the user experience.

Secured Events Handler web application – JAVA, J2EE, Spring MVC, Hibernate, MySQL,LESS
Developed a web application as part of Secured systems course using JSP which is defensive against various intrusion attacks like SQL Injection, CSRF, and XSS. Implemented security features such as Secure Socket Layer, Public Key Infrastructure, SALT hashing of passwords, exception handling to prevent display of stack trace in case of an exception.

Online Hotel Booking Portal - C#, ASP.NET, MySQL
Designed and implemented a WCF web service portal that allows customers to book room's online, login, register, send e-mails, calculate revenue, check booking status and validate bank card payment.
Implemented Web Services, DLLs, User Controls with XML as Database and Session State Management, WSDL, SOAP, XML processing, XML schema, XSLT, XPath, Concurrency and Multithreading.