

VIKRAM RENGARAJAN

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Education

- **Master of Science in Computer Science** (*Specialization: Data Science*) May 2016
The University of Texas at Dallas, Richardson, TX CGPA: 3.50
- **Bachelor of Engineering in Electronics & Communication Engineering** May 2013
Anna University, Chennai, India CGPA: 3.04

Technical Proficiencies

- **Languages** : C, C++, Java, SQL, PL/SQL, R.
- **Platforms** : Windows XP/7/8, Unix, Linux.
- **Databases** : Oracle 9i, MS SQL Server, IBM DB2, MySQL.
- **Web Related & Scripting** : HTML5, CSS, XML, AJAX, JavaScript, JQuery, PHP, Bootstrap.
- **Technologies** : Eclipse, NetBeans, ASP.NET, .Net Framework 4.0, Visual Studio 2013, MATLAB, R, Xilinx, Adobe (Photoshop, Dreamweaver), JDBC, MS Office (Word, Excel, PowerPoint).

Relevant Coursework

Database Design, Design & Analysis of Computer Algorithms, Statistical Methods for Data Science, Big Data Management & Analytics, Data Structures & OOPS, Web Programming Languages, Object- Oriented Analysis & Design, Comp. Architecture, Discrete Structures, Computer Networks, Operating Systems, Microprocessors and VLSI Design.

Experience, Academic & Independent Projects

- **A Portable Wireless Eye Movement based Human Computer Interface:** Designed an EOG based HCI, aimed to improve the life quality of the disabled by providing an economical means to convey their intentions and control devices with ease just with their eye movements. C/C++ (MATLAB).
- **Ticketing System:** Implemented an online web portal, where employees can raise tickets related to the problems they face and also monitor the tickets. Java, HTML, JavaScript, MySQL and CSS (Eclipse).
- **Copwatch:** Designed a police department database which records and maintains criminals and case details in an effective way. SQL and Java (MySQL).
- **Content Management System:** Designed a tool to provide blogging features similar to WORDPRESS.ORG for the employees of a company. PHP, SQL (Dreamweaver).
- **University Database Management System:** Designed an application to maintain University records with Java for front end connecting MySQL server (back end) using JDBC connector. SQL, Java (MySQL).
- **R Programming Project:** Worked on reading, writing and manipulating the data from the Copwatch and University database and analyzing them with time series plots and ggplots. R, SQL, Java (MySQL, R).
- **Data Store Application:** Built a data store application which communicates through server socket for performing I/O operations. Java (Eclipse).
- **Portfolio:** Designed my own website that gives an insight into my life and the showcase of my skills & projects. HTML5, CSS3, JQuery, Bootstrap (Dreamweaver).
- **Task Runner:** Designed a tool to maintain a thread pool and execute tasks in a queue. Java (Eclipse).
- **eShopping Point:** Developed a portal which includes functionalities such as Login, shopping cart, admin module and product list registration. HTML, ASP.NET, CSS, AJAX and JQuery (Visual Studio).
- **Online Library Management System:** Developed an online management system for the college library which maintains a database that one can view, edit and update. C++ (Turbo C++).

Honors & Awards

- 5th place in PDMA, India National Level Engineering Students Innovation Contest. Oct 2012-May 2013
- Funding for Project: IIT Madras/Product Development & Management Association Oct 2012-May 2013

Trainings

- Boot Camp and Specialization- Anna University, Chennai, India (June 2013): Completed a training on five modules viz. Fundamentals of programming Languages and DBMS, OOPS with C++, Web Concepts, PL/SQL and Java.

Organizations, Volunteer Experience & Posts Held

- ISECE, Secretary • IETE, President • EDP Cell, Finance Secretary • DFWICS, Student Volunteer