Saranya Manoharan

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EDUCATION

- **Worcester Polytechnic Institute (WPI)** Worcester, MA
  Master of Science, Computer Science Aug 2016 - May 2018
- **Vellore Institute of Technology** Tamil Nadu, India
  Master of Science, Software Engineering July 2007 - May 2012

LANGUAGES AND TECHNOLOGIES

- C#, SQL, Java
- HTML 5, CSS 3, JavaScript, JQuery, Bootstrap
- Oracle Database 11g, MySQL, .NET 4.0, GitHub, SVN

WORK EXPERIENCE

- **Blue Ocean Growth Ventures LLC - Software Engineer** June 2018 - Present
  - Design and develop the user interface of the application using Angular 2 framework along with HTML5, CSS3, TypeScript, JavaScript, Bootstrap, Node.js, NPM.
  - Develop Hybrid Mobile Application for Android and IOS platform in Ionic V2 framework, Cordova using Angular, TypeScript, HTML 5 and CSS.
  - Responsible for monitoring day to day activity of off-shore team and provide technical leadership, supervision, mentoring other developers, including peer reviewing code.

- **Aware Inc, Biometrics Software - Front End Developer Intern** May 2017 - Aug 2017
  - Developed fully functional responsive prototypes based on Business Requirements using HTML5, Bootstrap, CSS3, JavaScript, JQuery, AJAX, JSON, XML, RESTful services, Nginx.
  - Involved in writing application level code to interact with APIs, Web Services using AJAX, JSON, XML and jQuery.
  - Used AJAX extensively to implement front end /user interface features in the application and used SVN for version repository maintenance.

- **Cognizant Technology Solutions - Programmer Analyst** May 2012 - May 2013
  - Designed and implemented a web application in .NET framework using ASP.NET, C#, HTML, CSS, SQL server.
  - Designed prototypes and Involved in developing the UI pages using HTML, DHTML, CSS, and JavaScript.
  - Extensively worked on designing and implementing dynamic website using ASP.NET Web forms and integrated ASP.NET Server controls to the webpage.
  - Developed database in SQL Server and wrote SQL queries to create tables with SQL constraints.

PROJECTS

- **Preface SDK: Biometric Web Services** Aware, 2017
  - Design, prototype, and build interactive, powerful user interfaces using a combination of JavaScript, AJAX, and other web technologies Used tools such as Firebug, web developer tools for debugging and correcting errors. Tested pages for cross-browser compatibility for Safari, Chrome, Firefox and IE by cross browser hacks and requirements. Worked with QA team on daily basis in fixing the reported bugs and checking cross platform compatibility.

- **GoatRunner - Shuttle Service Web Application** WPI, 2017
  - Developed a web application that provides Shuttle Cab booking service to university students using HTML5, CSS3, Bootstrap, JavaScript, JQuery, Java, SQL, Apache Tomcat. Incorporated MVC design pattern to implement business logic using Java in Java Eclipse IDE. Incorporated Google Maps API and Directions API in JavaScript and performed geocoding in JavaScript.

- **Word Sweeper Game Implementation** WPI, 2016
  - Analysed functional requirements, documented User Stories collaboratively and created Use Cases and Class Diagrams. Designed based on MVC design pattern and implemented it using Java in Eclipse IDE. Tested the functionality of the application by writing JUnit test cases.

CERTIFICATES

- **Diploma in Advanced Computer Programming course** TCPS, India
  - Coursework included Java, C, C++ and achieved National Level 10th rank.