

# Varun Hariharan

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**Summary of Qualifications** – Devoted, innovative, trained and organized with around three years of knowledge and expertise in the field of IOT using web development technologies like **HTML5, JavaScript, CSS3, Node JS, SAPUI5, AJAX, Python, jQuery, Angular JS** and various **IOT devices** and **sensors**. Also experienced in Backend technologies like **SQL, HANA analytics** and **stored procedures**.

## Education

Masters of Science in Management Information systems	University of South Florida	<b>Dec 2014</b>	GPA: 3.9/4.0
Bachelors of Technology in Computer Engineering	Narsee Monjee Inst of Mgmt Studies	<b>July 2011</b>	GPA: 3.1/4.0

## Work Experience

**IOT Front End Developer** – SAP Labs, Palo Alto, California **Jan 2015 – Present**

Working on multiple projects in the area of **Internet of Things** as a part of the Smart Connected Business team.

**Injury Risk Monitor** – *JavaScript, Python, jQuery, HTML5, CSS3, AJAX, SAPUI5, D3, SQL, HANA Analytics and IOT sensors*

- developed an application that predicts and prevents injuries to sports players programmed with various sensors.
- improved the health life of players by collecting historical data, real time match data and observing health statistics in the area of technique, workload and physical fitness thereby recommending recovery plans.

**IOT SIM Management** – *Node JS, JavaScript, jQuery, HTML5, CSS3, AJAX, SAPUI5, D3, SQL, HANA Analytics*

- enabled customers to connect their IOT devices through certified mobile operators for optimization of services.
- managed SIM devices in bulk from the UI and attained real-time insights to reduce wireless operator expenses.

**Smart Asset Management** – *SAPUI5 Analytics, JavaScript, HTML5, CSS3, jQuery, AJAX, D3, SQL*

- maintained the supply and demand for a large retailer by placing sensors on their assets and generating alerts.

**Smart Building** – *JavaScript, HTML5, CSS3, SAPUI5 Analytics, jQuery, AJAX, D3, SQL*

- developed a solution to measure the temperature, power and occupancy of various conference rooms in a building of a large IT company. Provided accurate insights and decreased the wastage of resources thereby increasing profitability.

**Smart Vending Machine on Real Sense 3D Camera** – *C#, C++, Microsoft Visual Studio, Intel real sense sdk*

- implemented gesture, emotion, voice recognition to vend products from a machine at a distance without touch.

**Web/UI Developer Intern** – SAP Labs, Palo Alto, California

**May 2014 – Nov 2014**

**Customer Delivery Intelligence** – *JavaScript, HTML5, CSS3, Google Maps API, and Backbone.js*

- tracked the real time movement of a shipping vehicle based on the customer's address and provided notifications in the form of SMS either 15 or 30 minutes before delivery including a map showing the vehicle's real time movement.

**Smart Vending Machine** – *SAPUI5, JavaScript, HTML5, CSS3, Eclipse, SQL and SAP Hana Studio, SAP Lumira*

- enhanced features of this product and had a hands-on development experience with analytics including re-sizing the UI dashboard and integration of multiple sized charts using the data visualization tools.

**Supply Chain Control Tower** – *SAPUI5, JavaScript AJAX, HTML5 and CSS3*

- redesigned the frontend application which made use of creation and monitoring of alerts.

**Teaching Assistant** – University of South Florida, Tampa, Florida (*MS Excel, MS Access, MS Word*)

**Jan 2014 – Dec 2014**

Worked with a professor in conducting classroom sessions and helped students in their projects and activities.

**SAP backend Administration** – Infosys Limited, India (*Client – American Express*)

**June 2011 – July 2013**

Managed the SAP systems by monitoring, configuring, tuning and troubleshooting it on regular intervals.

Analyzed the system logs with routine dump analysis and work process overview on an ongoing basis.

**Web Developer Intern** – Reliance Telecommunications, India

**May 2010 – June 2010**

Developed a web portal for customer complaints, which is an online web portal for receiving complaints from customers, resolved them and stored the result. *Technologies Used: HTML, JavaScript, PHP.*

## Skills & Certifications

**Technologies/Languages:** JavaScript, jQuery, AJAX, Node JS, SAPUI5, HTML5, CSS3, Angular JS, Polymer JS, Python, d3, C#, Java, SQL.

**Software/Tool:** Eclipse, SAP Hana Studio, Oracle SQL developer, Visual Studio, Sublime, Brackets, SAP Lumira, Unity, Fiddler, GitHub.

**Sensors/Devices:** Hexoskin shirt, TI sensor tag, Intel real sense, Amazon echo, beagelbone, myo armband, motus baseball.

Microsoft Specialist: Programming in **HTML5 with JavaScript and CSS3**; Oracle Certified Associate, **MySQL 5**.

## Project Achievements & Extra Curricular

- [www.varunhariharan.com](http://www.varunhariharan.com) – created own personal portfolio website showcasing my skill sets and profile.
- Developed a website on cricket in India to provide information about the Indian cricket players, their statistics and records.
- Awarded first prize at SAP – Microsoft sponsored hololens hackathon where augmented reality met IOT.
- Represented the team at SAP for various annual conferences and technical events like SAP TechEd, dKorn and media events.
- Awarded Most Valuable Player (MVP) for 2016 at a major cricket league in the San Francisco Bay Area.
- Represented University of South Florida in 2014 and won the American college cricket regional championship.