

# Saurabh Vijay Palaspagar

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<b>EDUCATION</b>	<b>New Jersey Institute of Technology</b> <b>Vidyalankar Institute of Technology</b>	M.S. Computer Science B.E. in Computer Engineering	Aug 2015 - May 2017 May 2009 - May 2013
<b>CORE COURSES</b>	Data Mining, Discrete Mathematics, Algorithms and Data Structures, Data Management Systems and Design, Internet & Higher Layer Protocols, Machine Learning, Cloud Computing		
<b>SOFTWARE EXPERIENCE</b>	<b>Research Assistant, ITS Department of Transportation NJ, NJIT</b> Sep 2016 - Present Working on effective ways to transfer data updated on the servers and running simulation across the network <b>Medymology, Rutgers, <a href="http://www.medymology.com">www.medymology.com</a></b> Summer 2016 Used AngularJS, JavaScript, PHP and MySQL to build the website for opensource Medymology project Currently working on authentication and admin panel for editing the terms added to the medical database <b>Software Developer, GEP</b> Mar 2015-Aug 2015 <b>SMART by GEP   Sourcing Team</b> : ASP.Net, C#, JavaScript, SQL <ul style="list-style-type: none"><li>❑ Implemented Email Log functionality for SMART by GEP in Auctions and RFx. Modified stored procedures to store email and retrieve modified email templates</li><li>❑ Revised WCF channel closing code for partner functionality which is used for communication between server and client</li><li>❑ Rectified common HTTP GET dependencies in sourcing module</li><li>❑ Introduced, revised and implemented new status for RFx and Auction</li></ul> <b>Freelance Software Developer</b> Mar 2014- Feb 2015 <b>Freelancer</b> : Android, ASP.Net, C#, SQL, HTML, XML <ul style="list-style-type: none"><li>❑ Build booking systems in MVC framework, travel concession rules and created DB hierarchies</li><li>❑ Developed android applications for local businesses and startups</li><li>❑ Worked with a team of three in authentication for multiple client android applications</li></ul>		
<b>PROJECTS</b>	<b>ConnectU, NJIT</b> Spring 2016 <ul style="list-style-type: none"><li>❑ Developed the Android client that handles Authentication, interaction with REST API and designed complete UI</li><li>❑ Used Google's Open Source Volley HTTP library for networking with REST API for authentication</li><li>❑ Programmed 32 bit authentication code transfer in pure NFC packets from one device to another for adding connections</li></ul> <b>Check In, Hack BU</b> Spring 2016 <ul style="list-style-type: none"><li>❑ Build a Android client to use ZXing open source image processing library for QR codes generation and scanning</li><li>❑ Designed the interface screen for validating the attendees and in app scanning of QR codes on Pebble watch</li><li>❑ Most innovative Hack by GE and best use of Amazon Web Services</li></ul> <b>Leapper, HopHacks</b> Spring 2016 <ul style="list-style-type: none"><li>❑ Build a Chrome Extension to work with Leap Motion JavaScript API for controlling cursor using index fingers</li><li>❑ Mapped hand gestures for scrolling and point select functionality using Leap controller and WebSocket connection</li></ul> <b>Chappi - Messenger Bot, Hack RU</b> Spring 2016 <ul style="list-style-type: none"><li>❑ Build my first FB messenger bot that uses BotKit library and hosted it on local tunnel with Node.js in the backend</li><li>❑ Used WebHooks in Node.js to implement a basic sentence recognition for the bot</li><li>❑ Designed a small interface that displays the requested item inside the chat box</li></ul> <b>Wearable Gestural Interface,VIT</b> Aug 2012-April 2013 <ul style="list-style-type: none"><li>❑ Used WUW_v0.1 beta version of SixthSense code to integrate with Google maps for internal maps application</li><li>❑ Used the OpenCV algorithm in SixthSense to develop a paint and camera application for WGI</li><li>❑ Implemented dependency injection framework on top of SixthSense beta version</li></ul>		
<b>SKILLS</b>	<b>Languages:</b> <u>Proficient:</u> Java, C#, SQL, JavaScript, HTML/CSS   <u>Familiar:</u> Python 3.5, C, C++ <b>Database:</b> SQL Server, MySQL, Oracle, Flask <b>Back-End:</b> ASP. Net, Java, RESTful API's, Gradle <b>Development Tools:</b> Android Studio, Visual Studio 2013, Git, TFS, Eclipse, Unity, Matlab <b>Operating Systems:</b> Linux(Ubuntu), Android, Windows <b>Wearable Technology:</b> Leap Motion, Oculus Rift, Pebble Watch		
<b>ACHIEVEMENTS</b>	<b>Best use of Capital One API for Make or Break</b> application, Hack NY, Spring 2016 <b>Most Innovative Hack (General Electric) for ConnectU</b> , Hack BU, Spring 2016 <b>Best use of Amazon Web Services for ConnectU</b> , Hack BU, Spring 2016 Dale Carnegie Step-up to Professional Excellence Program, 2013		