

## ROOPAK VENKATAKRISHNAN

OBJECTIVE	Seeking a full time opportunity with a focus toward challenging technology assignments.	
EDUCATION	Master of Science – Computer Science (North Carolina State Univ.)	<b>4.0/4.0</b> [May 2014]
	Bachelor of Engineering (B.E) (Anna University, Chennai, India)	<b>8.29 /10</b> [June 2012]
	Certificate in Business Accounting (CIMA, UK)	[July 2012]
EXPERIENCE	<b>SOFTWARE ENGINEER, GOOGLE INC.</b>	<b>JUN 2016 TO CURRENT</b>
	<b>Contacts Team</b> - Worked on android infrastructure which is a part of Google Play Services. Built a module which now runs on over 2 Billion devices.	
	<b>Google Allo</b> – Worked on the Android app. Led integrations of Allo with other Google apps. Developed a service to render stickers based on a selfie.	
	<b>SOFTWARE ENGINEER, TWITTER INC.</b>	<b>JUL 2014 TO JUN 2016</b>
	<b>Billing Team</b> - Worked on the billing pipeline at Twitter which included various projects like supporting partner revenue sharing	
	<b>Commerce Team</b> - Worked on the integration between Twitter and Mastercard for Card Linked Offers, Front End infrastructure for rapid iteration on client devices (Android/iOS), Setting up code-review infrastructure, managing Operations Infrastructure (deploys etc). Develop and maintained chrome extensions for internal Twitter use.	
	<b>GRADUATE RESEARCH ASSISTANT, NC STATE UNIVERSITY</b>	<b>AUG 2013 TO JUN 2014</b>
	Working on detecting security anomalies in software using a voting based detection strategy. Guided by <a href="#">Dr.Mladen Vouk</a>	
	<b>SOFTWARE ENGINEERING INTERN, GOOGLE INC</b>	<b>MAY 2013 TO AUG 2013</b>
	Worked with the travel team on various projects. Helped launch a module which shows up on certain searches on Google.com	
	<b>WEB ASSISTANT, NC STATE UNIVERSITY</b>	<b>AUG 2012 – MAY 2013</b>
	Developed various apps for CS department. Converted flash components to HTML5.	
	<b>INTERN, ALPHA CLOUD LABS</b>	<b>DEC 2011 TO JUL 2012</b>
	Built a document summarizer. Built an OCR based data extraction and classification system.	
GRADUATE COURSE WORK	<b>Cloud Computing:</b> Worked on provenance in the cloud, contributed to Apache VCL <b>Operating Systems, Data Mining, Computer Networks, Algorithms, Database Management, Software Security, Software Engineering</b>	
INDEPENDENT PROJECTS	<ul style="list-style-type: none"> <li>▪ Developed various web applications for small companies to manage their data.</li> <li>▪ Created a web application to help international students moving to universities find room mates.</li> <li>▪ Designed a network with 50 nodes for a small company.</li> </ul>	
PUBLICATIONS & PAPERS	<ul style="list-style-type: none"> <li>▪ Worked on a thesis titled “Redundancy based detection of Security Anomalies in Web-Server Environments” as part of Masters program.</li> <li>▪ Published a paper on Dynamic Password Security at ICECT 2011 (IEEE). This paper won 1<sup>st</sup> several accolades at technical presentations.</li> </ul>	
TECHNICAL SKILLS	<b>Languages:</b> C, C++, Java, PHP, JavaScript, CSS, JQuery, HTML, Angular2 <b>Databases:</b> MySQL, Oracle Experience in Ops infrastructure (Chef, AWS, deploy mgmt.)	
ACHIEVEMENTS & INTERESTS	<ul style="list-style-type: none"> <li>▪ Represented India at the Global Young Leaders Conference (<b>GYLEC</b>), (Washington) 2007</li> <li>▪ Love teaching, and have taught a course on basic web development.</li> <li>▪ Trekking and Cycling</li> </ul>	