

Swarun Krishnamoorthy

M.S (Computer Science) Graduate Student

CONTACT INFORMATION	#3801 Parkview Lane Apt 11-D, Irvine California 92612	+1 650-619-4722 swarunk@uci.edu http://swarunkrishna.github.io/
EDUCATION	Master's of Computer Science <i>University of California, Irvine</i> <ul style="list-style-type: none">• CGPA: 3.63/4 Dual Degree Masters (B.Tech + M.Tech) in Electrical Engineering <i>Indian Institute of Technology, Madras</i> <ul style="list-style-type: none">• Minor Stream : Mathematics for Computer Science	Sep 2015-July 2017 2009 – 2014 Chennai, India
SKILLS	Programming Languages : Python, C++, C, Bash, SQL, HTML, R Softwares/Libraries : NumPy, Pandas, MongoDB, OpenCV, MATLAB	
PROFESSIONAL EXPERIENCE	Software Engineer Intern, Google, Mountain View Team: Auction Signals (AdWords) <ul style="list-style-type: none">• Worked on building a Nano-from-Macro (NfM) model for computing the long-term monetary impacts of ads blindness induced by a single ad impression.• Worked on porting the entire NfM data analysis pipeline from R to Python (in production) Software Engineer, AOL Adap.TV, Hyderabad Team: Forecasting & Optimization <ul style="list-style-type: none">• Winner, AOL Adap.TV Hackathon 2014 - Wrote an application that enables content publishers to add third-party real-time bid optimization engines.• Implemented a forecasting algorithm for predicting website quality and advertisement viewability on third party websites based on historical viewability info. Research Internship, Concept Labs, IIT Madras Research Park, Chennai <ul style="list-style-type: none">• Concepted and implemented a full-body gesture recognition library with multi-finger tracking using the Nintendo Wii and Microsoft Xbox Kinect Internship - Gaana.com, Times Internet Ltd, Delhi <ul style="list-style-type: none">• Prototyped a web-application that streams music off a user's various cloud-file service accounts like Dropbox, Skydrive, Google Drive.• Worked with the Gaana.com UX/UI team in designing the Gaana 3.0 iOS and Android apps, which have had close to 50 million installations[†] [†] https://play.google.com/store/apps/details?id=com.gaana	Jun 2016-Sep 2016 Jul 2014-Aug 2015 May-Jul 2011-12 May-Jul 2013
ACADEMIC PROJECTS	Vectorization Methods in Standard Loops <ul style="list-style-type: none">• Discovered the appropriate vectorization techniques to vectorize over 120 loops from Doom 3D's source code achieving an average speedup of 165 percent on the loop set. Page-Rank Based Textual Search Engine <ul style="list-style-type: none">• Crawled the UCI Computer Science website and implemented a PageRank based textual search engine on a 34000 size document set. Revision Detection in Engineering Documents <ul style="list-style-type: none">• Proposed a new algorithm to segment an engineering drawing into sub-drawings/views• Developed an algorithm to find differences in draft dimensions between two engineering drawings while accounting for variations in scale, position and orientation.	<i>UC Irvine</i> , Mar-Jun 2016 <i>UC Irvine</i> , Jan-Mar 2016 <i>IIT Madras, Chennai</i> <i>July 2013 - July 2014</i>
SCHOLASTIC ACHIEVEMENTS	Secured an All India Rank of 542 (from over 400,000 candidates) in the Joint Entrance Exam for admission to the Indian Institutes of Technology (IIT-JEE 2009). Represented Team India at the South East Asian Regional Computer Confederation International Schools Software Programming Contest 2008 (SEARCC ISSPC 2008) Winner, ACM Online Programming Contest at HackUCI 2015, UCI's annual Hackathon	