

## RAMESH NADAVATI

504 Thomson St.,  
Flint, MI 48503

810-493-8339 rnadavat@umich.edu

[homepages.umflint.edu/~rnadavat/](http://homepages.umflint.edu/~rnadavat/)

Education	University of Michigan; Flint Masters in CS, June 2016	Jawaharlal Nehru Technological University-Anantapur, SITE College Bachelors in EE, Minor in Math
Experience	<p>University of Michigan   Flint, MI   Intern with Theatre Dept. June- October 2015 I worked as a desktop technician and helped the students and faculty by providing the services like software's, windows installations, answering the phone calls and resolving the computer problems. Participated in the Riverbank project.</p> <p>Microsoft Research India   Summer School on Network Dynamics and physics Summer 2014 Attended a Summer School on topics such as physics methods in coding, developing those methods and obtaining the results in Matlab Simulink. Deep research in advanced network dynamics and mesoscopic perspective on network dynamics.</p> <p>QuietGrowth   Bangalore India   Web Developer Full time 2014-2015 It is a UK based Company. My role is to develop the website and related pages. I worked as a front end and backend developer. HTML (5), CSS, Bootstrap, JavaScript, PHP, C, Data bases with exceptional coding skills and command over those languages. Developed websites links will be provided upon request.</p> <p>Microsoft Research India   Summer School on Wireless networks Summer 2013 Attended a Summer School on topics such as Random matrix theory and wireless networks, Stochastic geometry for wireless networks</p> <p>S.V. University College of Engineering, AP, India   Research Intern Fall 2013 Explored the new possible ways and implemented to get the student details in short time.</p> <p>RTTP, AP, India   Internship   Jr Network and System admin., Substation Control Engineer. May-Aug (2012) Responsibilities are providing access, control and maintaining register for noting the distribution of power quality. Every hour checking the substation readings and calculating the amount of power loss etc. using network theory concepts. Responsible for submitting the documents on every day to the manager.</p> <p>SITE, Andhra Pradesh, India   Employee   Linux/Unix, Network Admin., System Admin. 2011- 2014 My responsibilities are installing and updating software's, windows. Providing access, connection, performances etc. as a Network Admin. Backups and restores, as a System Admin. Giving support to the students and professors in the university. Installing and Configuring Configuration management tools like Zenoss and Nagios etc.</p>	
Awards	<p>Received a badge from University of Michigan for scoring above 3.5 GPA in my Master's degree. Achieved 2<sup>nd</sup> rank in Ramanujan Mathematics and competitive test among all the departments in the university.</p> <p>Recipient of the Research Scholarship under SVU Funding's, in 2012.</p> <p>Secured 2nd position in the State Level Regional Mathematics Test. Recognized and Certified as among 0.1% students, in the Math's, Physics, Chemistry in 2006.</p> <p>Received an award in "two days Robotic Challenge" for the successful completion of coding for "street follower robot using hand controllers".</p> <p>Received multiple awards for the best dance performances.</p> <p>Received best outgoing student award for excellence in academics and cultural activities.</p>	

Projects	<p><b>SAE Baja Team:</b> University of Michigan; Flint. --2016 Here me and my team is putting efforts towards designing the new cheapest car with high flexibility and mileage.</p> <p><b>Table Functions in Oracle and their performances</b> Winter 2015 Reviewed the performance of table functions in oracle and output ranges using pipelined and parallel methods. The tested dataset is giving faster output than the normal execution of dataset. We understand and concluded that the parallel and pipelined methods helps for faster execution.</p> <p><b>Creating connection between Java and Database.</b> Winter 2016 Here my task is to obtain results in Eclipse by writing programming code in java and creating tables in DBMS. I completed my task using Java link connection to DBMS and performed the required task obtained required results.</p> <p><b>Machine learning concepts in recognition of Face and Iris  IR  Guide: Dr. M. Farmer</b> Fall 2015 Worked on machine learning concepts related to Biometric recognition, for this project reviewed almost 40 articles and understood some important concepts. Final report submitted to the professor by including major concepts related to the biometrics research and performed testing the professor dataset and made some corrections.</p> <p><b>Texture Synthesis by Non-Parametric Sampling</b> Spring 2015 Here, Modelled texture as a Markov Random Field where the texture synthesis process grows a new image outward from an initial point, one pixel at a mean time.</p> <p><b>Your Face Tells Everything: An Analysis of Human Emotions with internet and without internet</b> Winter 2016 From this study, I am trying to analysis and providing the proof of usage of emoticons according to the age factor. The final results were intermediate, and 3<sup>rd</sup> age group people were using the most emoticons for different things.</p>
Competitive Programming	<p>Secured 1<sup>st</sup> place in the university of Michigan, in class tech challenge at UMF, in Fall 2015</p> <p>Secured 2<sup>nd</sup> place among 95 for driving the methods into results in the Matlab Simulink software.</p> <p>Participated couple of times in Hacker rank competition.</p> <p>Secured 2nd position in the State Level Regional Mathematics Test. Recognized and Certified as among 0.1% students, in the Maths, Physics, Chemistry in 2006.</p> <p>Secured top 1% coding masters in the class of Fall 2015.</p> <p>Received an appreciation certificate from IIT Bombay for the exceptional work in developing the street follower robot using hand gestures 2012-2013</p>
Technical Skills	<p>Programming Languages: C, Python, Java</p> <p>Statistical Computing: Matlab,</p> <p>Miscellaneous: MySQL, HTML, CSS, Java script, L<sup>A</sup>TEX</p> <p>Tutoring: Database Design, Unix, Visual Basic, Oracle Databases DBMS, SQL, PLSQL, Algorithms, Python, Java Basics.</p>
References	<p><i>*Reference contact details are available up on request!!</i></p>