

Skills	<p><i>Languages:</i> C, C++, Shell Scripting, Python <i>Databases:</i> DB2 <i>Packages:</i> MATLAB, L^AT_EX, Adobe Photoshop, Macromedia Flash <i>Web:</i> Dreamweaver, HTML, XML, CSS, JavaScript</p>		
Awards	<p><i>Best-Paper-Award</i> at 2nd MultiClust Workshop: Discovering, Summarizing and Using Multiple Clusterings, for my paper on “<i>Generating a Diverse Set of High-Quality Clusterings</i>”.</p> <p>Received a <i>registration award</i> from <i>IEEE TCMF</i> to attend IEEE Symposium on Foundations of Computer Science (FOCS) 2010.</p> <p>Received <i>NSF travel grant</i> to attend ACM-SIAM Symposium on Discrete Algorithms (SODA) 2010.</p> <p>“<i>Recognition and Authentication of Hand-Written Signatures</i>”, Vortex '05, National Institute of Technology, Trichy, India, January 2005. <i>Received a special mention.</i></p> <p>“<i>Binomial Distribution based proof to Central Limit Theorem with Galton’s Quincunx</i>”, Tathva 04, National Institute of Technology, Calicut, India, February 2004. <i>Won second prize.</i></p> <p>“<i>Graph theory and its applications to the Four Color Problem</i>”, Students’ Science Symposium, Alagappa Chettiyar College of Engineering and Technology, Karaikudi, India, November 2001. <i>Won first prize.</i></p>		
Conference Service	<p>Reviewed papers for ACM-SIAM Symposium on Discrete Algorithms (SODA) 2010.</p> <p>Part of the volunteer group to the organizing committee of the 26th Annual Symposium on Computational Geometry (SoCG) 2010.</p> <p>Reviewed papers for IEEE International Conference on Data Mining (ICDM) 2011.</p>		
Other Projects	<p>Four Color Problem solved using Graph Theory August 2004 Constructed a model using colored cubes painted differently and constructed adjacency, distance and incidence matrices. Nodes were drawn to list the possible routes to show that that every planar graph is four-colorable.</p> <p>File Systems Simulation February 2004 Used C on a UNIX server incorporating positive features from BSD Fast File System, Distributed File System and Network File System.</p> <p>Assembler for Intel 8085 October 2003 Developed a two pass assembler and a parser using ANSI C. Included other life stages like linking and loading along with code generation phase using bottom up approach.</p> <p>Task Scheduling on a Network OS August 2003 Using ANSI C for UNIX platform, the server was made to support two ports, one for local requests and the other for remote requests.</p> <p>Mathematical Modeling of Galtons Quincunx January 2002 Constructed a working model of Galton’s Quincunx to conduct experiments and formulate a practical proof to the Central Limit Theorem.</p>		
Course Work	<p>Algorithms Computational Geometry Randomization Operating Systems Computer Graphics Probability Theory</p>	<p>Machine Learning Clustering Data Mining Databases Programming Languages Advanced Calculus</p>	<p>Theory of Computation Research Topics in Databases Networks Computer Architecture Artificial Intelligence Compilers</p>