

Harish Narayanan

1705 Broadview Lane, Apt #109
Ann Arbor, Michigan 48105
Home Phone: (734) 995-8701

hnarayan@umich.edu
www-personal.umich.edu/~hnarayan/site/

CAREER GOAL *To pursue a career in the academia as a mechanics educator at a prestigious institution of higher learning.*

- EDUCATION
- ◊ **University of Michigan**, Ann Arbor, Michigan.
Ph.D in Mechanical Engineering, expected graduation in 2007.
 - ◊ **University of Madras**, Madras, India.
B.E in Mechanical Engineering, July 2002.
Percentage Obtained: 80.7
 - ◊ **Vidya Mandir**, Madras, India.
All India Senior School Certificate Examination (C.B.S.E 12th), July 1998.
Percentage Obtained: 89.0
 - ◊ **Chettinad Vidyashram**, Madras, India.
All India Senior School Examination (C.B.S.E 10th), July 1996.
Percentage Obtained: 80.8

- ACADEMIC HONORS
- ◊ Received a *Certificate of Merit* for excellent standard of academic work throughout 12th grade.
 - ◊ Secured the *First Rank in School Physics*, AISSCE 1998 (C.B.S.E 12th).
Awarded a gold medal for the same.
 - ◊ Secured the *First Rank in Continuous Evaluation* for the third semester of my undergraduate program and was awarded a cash award for the same.
 - ◊ Secured the *Second Rank* in third semester University Examinations in college.
 - ◊ Maintained an excellent level of performance in engineering mathematics and mechanics subjects. Secured 100% in fourth semester engineering mathematics paper
 - ◊ Received the “Sachivothama Sir C.P.Ramaswamy Aiyar Endowment Scholarship” from the University of Madras (2002 – present) for excellent academic performance at the undergraduate level.
 - ◊ Secured admission into the research program (M.Sc(Engg)) at the *Indian Institute of Science, Bangalore*, to the hydromechanics stream with full scholarship.

ACADEMIC INTERESTS My academic interests primarily relate to classical mechanics and the tools involved in mechanics related computation. Specifically, they include:

- Mechanics – General Classical Mechanics, Solid Mechanics, Machine Mechanics and Design
- Material Science
- Applied Mathematics and Physics
- Simulation of physical systems on the computer

Harish Narayanan

RELEVANT COURSES	<p>The following is the list of graduate level courses I am currently enrolled in at the University of Michigan.</p> <ul style="list-style-type: none">· ME 502 – Methods of Differential Equations in Mechanics· ME 511 – Solid Continua· ME 541 – Advanced Mechanical Vibrations· ME 506 – Computational Modeling of Biological Tissues
	<p>Some of the relevant courses covered during my undergraduate program include:</p> <ul style="list-style-type: none">· Engineering Mathematics - 2,3,4 and Numerical Methods· Applied Physics· Engineering Mechanics -1,2· Mechanics of Solids· Material and Metallurgical Science· Mechanics of Machines - 1,2· Machine Design· Design of Transmission Systems· Engineering Drawing and Machine Drawing· Computer Aided Design and Computer Aided Manufacturing· Computer Programming
RESEARCH EXPERIENCE	<p>Carried out a research project with a team on <i>Gaseous Petroleum Fuels for Automobiles</i> which involved a modification of a conventional gasoline run vehicle to run on Liquefied Petroleum Gas (L.P.G) and proceeded with a systematic comparison of its performance with the original system with regards to efficiency and emissions. This project was carried out under the guidance and supervision of Dr.B.S.Murthy (<i>former Head of the Mechanical Engineering Department, IIT, Madras</i>). Our work was later accepted as an SAE paper.</p>
COMPUTER SKILLS	<ul style="list-style-type: none">◊ Linux, MS Windows, UNIX, Mac OS, DOS◊ C++, C, Java, Pascal, Basic, PHP, Shell Scripting, HTML◊ AutoCAD, IDL, Maple, Mathcad, Adobe Photoshop, MS Office◊ GIMP, mySQL, Apache, OpenOffice, L^AT_EX , GNU Emacs and other open source software
OTHER INTERESTS	<ul style="list-style-type: none">◊ Computers (specifically Open Source Software) and new technology◊ Writing technical articles related to Open Source Software◊ Digital Art and Graphics Programming◊ Science fiction literature◊ Classical (vocal and instrumental) Music