

SHANTANU MHETRAS

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OBJECTIVE	Seeking a Full time position starting from May 2002.
EDUCATION	<p>Master of Science in Mechanical Engineering, enrolled in Fall 2000 Texas A&M University, College Station, Texas. GPA - 3.88 Expected Graduation Date: May 2002 Coursework:</p> <ul style="list-style-type: none">• Fluid Mechanics• Energy Management in Industry• Numerical Heat Transfer & Fluid Flow• Intermediate Heat Transfer• Heat Convection• Cogeneration <p>Bachelor of Engineering in Mechanical Engineering, May 2000 K. J. Somaiya College of Engineering, University of Mumbai (Bombay), Mumbai, India. GPA - 3.45 Coursework:</p> <ul style="list-style-type: none">• Machine Design• Finite Element Method & CAD/CAM• Refrigeration & Air Conditioning• Industrial Engg. & Management• Dynamics of Machinery• Fluid Machinery• Measurements and Controls• Internal Combustion Engines
COMPUTER SKILLS	<p>Languages and software: MS Office (Word, Excel and PowerPoint), C & C++, Mathcad, EES and Maple. Data Acquisition: Labview by N.I. and Quicklog by Strawberry Tree. Design tools: CFD by Fluent, Gambit, Pro E 2000, Solidworks, AutoCAD Release 14 & 2000 and Visio Drawing. Web Skills: HTML, Internet Tools and Flash. Operating Systems: MS DOS, Windows and Macintosh</p>
WORK EXPERIENCE	<p>Texas A&M University, Department of Mechanical Engineering. Graduate Assistant Research, Convective Heat Transfer Lab., January 2001 – Present</p> <ul style="list-style-type: none">• Currently doing research on a project involving Heat Transfer Enhancement due to Jet Impingement with Cross Flow of air under Dr. Lau. The experimental data will be then compared with the results from CFD analysis. <p>Graduate Assistant Teaching, September 2000 – August 2001</p> <ul style="list-style-type: none">• Responsible for conducting several laboratory sections over 3 semesters for the undergraduate course MEEN 464 (Heat Transfer Lab) and for grading of lab reports and quizzes. Also responsible for conducting tests and assigning final grades for the students enrolled in these sections. <p>Crompton Greaves Ltd., Power Systems Group, Transformer Division, Mumbai, India, September 1999 – March 2000</p> <ul style="list-style-type: none">• Worked as a part-time Project Trainee in the Maintenance Department. Assisted the staff in carrying out machinery maintenance procedures in the entire manufacturing plant.
PROJECTS	<ul style="list-style-type: none">• Fuel Cells – A Technology Investigation Paper.• Aerodynamics of Stationary Smooth and Dimpled Spheres – A Numerical Simulation performed using Gambit and Fluent 5.0.• Periodic Flow through a Labyrinth Seal – A Numerical Simulation performed using Fluent 4.5.• Analysis and improvement of the thermal efficiency of a Medium Transformer Oven at Crompton Greaves (India) Ltd. An experimental investigation along with a study of seven industrial ovens was performed.
EXTRACURRICULAR ACTIVITIES	Member of ASME, actively involved in organizing and participating in cultural activities and play Cricket, Racquetball, Table Tennis and Badminton.
WORK AUTHORIZATION	Eligible for Practical Training (F1 visa)
