

SRIKANTH MADALA

◆ 3230, SW Archer Road, Regency Oaks Apartments, Apt # G135 ◆ Gainesville, FL 32608 ◆ m.srikanth@ufl.edu ◆ 352-262-2677

OBJECTIVE

To secure a full-time position in a growing firm with scope to apply and nurture my Thermal Energy Systems and HVAC Engineering knowledge, Marketing & Management skills by encountering challenging real world industrial problems.

EDUCATION

- **Master of Sciences in Mechanical & Aerospace Engineering** (Aug. 2007-Dec. 2008)
Concentration: *Thermal Sciences and Fluid Dynamics*; Final GPA: **3.5/4.0**
University of Florida, Gainesville, FL, USA.
Relevant Course Work: Advanced Air Conditioning, Energy Management (HVAC), Design of Thermal Systems, Heat Conduction, Heat Convection, Gas Turbines & Jet Engines, Compressible Flow, Fluid Mechanics I.
- **Bachelor of Technology in Mechanical Engineering** (Sept. 2003-May 2007)
Jawaharlal Nehru Technological University, Hyderabad, India
Overall Percentage: **75.75** (Level: Distinction, Top **3%** in the Class)

PROJECTS

- **U.S. Navy Project Work under the supervision of Prof.Sherif and Prof.Lear at University of Florida** (May 2008-Aug. 2008)
 - Compared multiple air conditioning system technologies within the context of the overall system design of Hovercraft. Recommended a suitable system for the related operating range with a detailed analysis of other AC system technologies.
 - Generated dynamic numerical data of physical variables & corresponding response surface curves for each of the selected AC technologies that will assist in optimization of overall size and design of Hovercraft systems for varied operating range.
- **Project Work at Bharat Heavy Electricals Limited (BHEL), Hyderabad, India.** (Dec. 2006-Feb. 2007)
 - Selected to carry out a project work on "**Gas Turbines**" at one of India's largest producer of Gas Turbines (used for Power Generation Purposes) - "**Bharat Heavy Electricals Limited (BHEL)**".
 - Contributed to the development of an effective CNC Program on FANUC 15M Operating system leading to a better drilling operation of Gas turbine spacer wheel slots thereby resulting in a shorter process time.
 - Participated and involved in workshops on detailed study of Gas turbines used for Power Generation purposes.
 - Contributed in calculation and analysis of numerical heat exchange values on a project work regarding "**Thermal Design of Steam Surface Condensers**".

WORK EXPERIENCE

- **Graduate Research Assistant, Office for Academic Support and Institutional Services (OASIS)** (Oct. 2007- Aug. 2008)
University of Florida, FL, USA
 - Performed the statistical analysis of the OASIS departmental data
 - Hired and supervised OASIS peer-tutors
 - Executed the Information Technology assignments related to OASIS. Viz. OASIS website design and maintenance, handling data from University of Florida Registrar's office, creating group mail server lists, sending out group emails etc.
- **Junior Engineer Trainee (Internship), Hindustan Shipyard Ltd., Visakhapatnam, India** (May 2006 - June 2006)
 - Assisted Senior Engineers in developing the structural designs, using CAD/CAM software.

COMPUTER SKILLS/EXPERIENCE

- **Design/Analysis Software Packages:** AUTOCAD, CATIA, and ANSYS
- **Software Packages:** Carrier HAP, MATLAB, MS Office, Adobe Photoshop and Dream Weaver
- **Programming/ Scripting Languages:** C, C++, Visual Basic, HTML, Data Structures through 'C' and CNC Programming.
- **Operating Systems:** UNIX, LINUX, MS-DOS and WINDOWS 95/98/2000/NT Server/XP.

ACTIVITIES

- **Student Member, American Solar Energy Society (ASES), University of Florida Chapter.**
- **Historian & Member, American Society of Heating, Refrigerating & Air-Conditioning Engineers (ASHRAE), UF Chapter.**
- **Student member, American Society of Mechanical Engineers (ASME)**
- **Student President of Undergraduate Mechanical Engineers association-Finesse Association of Mechanical Engineers**

EXTRA-CURRICULAR ACTIVITIES/AWARDS/HONORS

- Recipient of full Tuition fee waiver. (Fall '07, Spring '08 and Summer '08)
- Peer Tutoring Program Coordinator at **OASIS**, University of Florida. (Aug. 2007- Dec.2008)
- Active Student Member, Gators for **ASHA**, University of Florida ASHA Chapter (Aug. 2007- Present)