

ACADEMIC BACKGROUND:

Arizona State University, Tempe, AZ

Aug 2008 – May 2010

Masters Degree in Industrial Engineering

GPA: 3.2

Activities: Member of IIE, Member of ASQ, Completed Six Sigma Certification, Member of the Society of Automobile Engineers.

Key Subjects: Design of Experiments, Simulation of Stochastic Systems, Applied Stochastic Operations Research, Operations Research in Healthcare, Scheduling and Information Systems, International logistics & Supply chain, and Analysis of Decision processes.

Sri Venkateswara College of Engineering affiliated to Anna University, India

Aug 2004 – May 2008

Bachelors of Engineering in Mechanical Engineering

GPA: 3.4

Activities: Member of Association of Mechanical Engineers, Sri Venkateswara College of Engineering, Symposium coordinator

Key Subjects: Process Planning and Cost Estimation, Total Quality Management, Strength of Materials, Thermal Engineering and Applied Thermodynamics, Automobile Engineering, Operations Research, Gas Dynamics and Jet Propulsion, and Fluid Dynamics.

RESEARCH EXPERIENCE, PUBLICATIONS & PROJECTS:

1. Researched and developed a paper 'Simulation of Statistical Control Charts for Advanced and Intelligent Decision Making in Quality Control'. **Published paper in IERC 2010 Conference Proceedings*, Presentation at ASQ 2010 World Conference.**
2. Developed an analytical paper on 'Phase Change Materials'. Won II prize at the National Level Technical Symposium held at KCG College of Technology, Chennai, India (Feb 2007)
3. Project Title: **"Scheduling the container arrangement in a Freight station"**, Arizona State University, Tempe(Spring 2009)
Description: Optimizing the container handling and reducing the time involved in its logistics
4. Worked in a simulation modeling project and developed **"Improvisation of a Bank Model by Simulation using SLAM"**. Arizona State University (Fall 2008)
Description: Simulation Modeling of the Bank's customer arrival & service and suggested models to improvise the current situation in terms of Customer satisfaction, revenue and Bank Resource's efficiency.
5. Project Title: **"Automation in a Container Freight Station with Electrical Overhead Traveling Crane"**.
Description: Design & Fabrication of a prototype EOT Crane with in-built program, sensors and actuators to load & unload containers from pre-defined slots of a matrix in a Container Freight Station. Reduction of cost, manual labor & delay were the major goals of this project. (Spring 2007)
Won the Best Project Award of the year in my college and also was awarded the Best Project of the year by TAFE, India.
6. Project Title: **"Convection through Porous Media in Vertical Annuli"**.
Description : Research based project investigating the relation between Nusselt's number & Convection heat in porous medium and its application in Nuclear reactors, buildings etc. (Fall 2007).

WORK EXPERIENCE:

- Summer Intern at Larson & Toubro Ltd, Chennai, India June 2009 – Aug 2009
Optimized the plans in the highway lane widening project, simulated the various proposed scenarios and presented them the decision criteria based on the given data.
- Teaching Assistant for Dr. Ampere Tseng, Arizona State University, Tempe Sept 2008 – Dec 2008
Worked as a teaching assistant for Dr. Ampere Tseng in Arizona State University for the course MAE351 (Manufacturing Processes). Assist students and clear doubts in the course work, grade home works, set question papers etc.,
- Summer internship with CeeBros Constructions, at their hotel construction in Chennai. May 2008 - Aug 2008
Worked with the R & D team in the design and analysis of E-Glass Epoxy and how to manufacture the structure of the composite material to suit applications in the on-going projects.
- Design Analyst at Larson & Toubro Ltd, Chennai, India Jan 2007 - May 2007
Simulated windmill models and structures using various and analysis application viz. CAD, PRO-E, ANSYS.
- Internship at Hyundai Motors India Ltd., Chennai, India. Jan 2006 – May 2006
Collaborated with the quality team in a quality enhancement project that involved time management between various processes involving CAM involved production.

PROFESSIONAL SKILLS AND OTHER EXPERIENCE:

- Statistical Software's: SAS, SPSS
- Programming Languages: MS Office, C, C#, Java, HTML, VB.
- Software: MATLAB, AUTOCAD, MPL, Design Expert, MiniTab, ProE and Ansys