

**OBJECTIVE:**

To obtain a career in the field of design and analysis such that I can put my analytical and technical skills I have developed during my schooling in a productive way.

**EDUCATIONAL QUALIFICATIONS:**

MS Mechanical Engineering, Wichita State University, Wichita, Kansas

Advisor, Dr.Hamid Lanakarani

GPA 3.33/4.0

Relevant Course Work:

Computer Aided Analysis of Mechanical Systems

DFM/DFA

Composite Materials

Finite Element Method

Analysis of Mechanical Processes

Impact Dynamics

Computer Aided Engineering

Cleared Test of Spoken English (TSE)

B.S Mechanical Engineering

April 2002

Jawaharlal Nehru Technological University, Hyderabad, Andhra Pradesh, INDIA.

GPA 3.5/4.0

Relevant Course work:

Thermodynamics

Dynamics of Machinery

Kinematics of Machinery

Machine Drawing

Fluid Mechanics

Thermal Engineering

Strength of Materials

Material Science

Metallurgy

Production Technology

Heat Transfer

Power Plant Engineering

Production Planning and Control Advanced Strength of Materials

Non Conventional Energy -

-Resources

**SKILLS:**

- Programming languages: C, C++, Pascal, DAP
- Operating Systems: Windows 2000, UNIX, MS Dos, Mac OS.
- Packages: MS-Office, AutoCAD 2000 version, Proe Wildfire, Adobe PageMaker, ADAMS, Mat lab, MathCAD, LS-Dyna, MADYMO, Ansys, Visual Nastran, Patran, Algore.
- Database: Oracle
- Others: HTML

**PROJECTS:**

- Analyzed the design of a diesel hydraulic shunting locomotive in of completion of B.Tech.
- Validated the paper of Beong Du Ko, Dong Joon Kim, The influence of Die Geometry on the Radial Extrusion Process using LS-Dyna as a part of course works in MS.

PADMAJA KORRAPATI ('Pad muh Jaw')

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Wichita, KS-67208

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EXPERIENCE:

WICHITA STATE UNIVERSITY, WICHITA, KANSAS

Research Assistant, Dr.Krishna Krishnan, IE Department

01/2003 to 12/03

- Design of V-Engine Crankshaft using Visual Nastran to reduce the cost of production and to increase the efficiency.
- Design and Analysis of airplane wing flap using Smart Memory Alloys using Pro E and Algore to reduce the cost production and to make the maintenance easy from the NSF grant.
- Assisted in research work by collecting the required data for the wing flap design.
- Studied Fatigue Failure in Carbon/Epoxy composites to know the failure criteria of these materials and compared them with other materials like Glass/Epoxy

NISIET (National Institute of Small Industry Extension Training), HYDERABAD, INDIA

Project Coordinator

06/2002 to 12/2002

- Made brochure for the ISO training programs conducted by NISIET.
- Conducted ISO training programs for the Indian Forest Services and Indian Administrative Officers
- Budgeted for the ISO training programs and conducted them in 2, 00 Lakh rupees
- Participated in fund raising for the institute through proposal writing and achieved 50% raise in funds.

NIKIL ENGINEERING WORKS, HYDERABAD, INDIA

Lab assistant, AutoCAD and Pro E lab

04/2002 to 06/2002

- Implemented Automobile Design using 3D environment of Pro E Lab
- Assisted students in designing using AutoCAD and Pro E Lab
- Conducted the Pro E lab examinations

MADANAPALLE INSTITUTE OF TECHNOLOGY AND SCIENCES, MADANAPALLE, ANDHRA PRADESH, INDIA

Teaching Assistant

04/2001 to 04/2002

- Done a project on DESIGN OF HYDRAULIC SHUNTING LOCOMOTIVE.
- Worked as a teaching assistant at Madanapalle for Undergrad students.
- Assisted the professor in preparing the teaching notes using power point slides.
- Engaged the class in absence of the professor.
- Graded the examination papers.

06/1997 to 11/1998

C-DAC-PACE, HYDERABAD, ANDHRA PRADESH, INDIA

- Programmed in C and C++ in Application Development
- Used Object Oriented Technologies in Designing a Graphics Intensive Application.
- Assisted students in programming.