

Susruthreddy Busireddy

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EDUCATION

Syracuse University, College of Engineering and Computer Science, Syracuse, NY
M.S., Energy Systems Engineering, May 2018
GPA: 3.778

Visvesvaraya Technological University, B.M.S. Institute of Technology and Management, Bangalore, India
B.E., Electrical and Electronics Engineering, July 2016
Grade: First Class with Distinction

TECHNICAL SKILLS

Operating Systems: Windows 07/10

Languages: C

Software: MATLAB, AutoCAD, OrCAD PSpice, SAP, MS Office, Precision tree, @Risk

CERTIFICATIONS

Lean Six Sigma (Yellow Belt), MSME Technology Development Centre-Ministry of Micro, Small and Medium Enterprises, Government of India Organization, May 2015

RESEARCH EXPERIENCE

The Hosein Research Group, Syracuse University, Syracuse, USA

Research assistant, January 2017 to present

- The aim of the project is to produce solid cross-linked samples of Polytetrahydrofuran (A polymer used in fuel cells) through photo curing

INTERNSHIP EXPERIENCE

Wipro and CSTEP (Centre for Study of Science, Technology & Policy), Bangalore, India

Research Engineer Intern, July 2015 to September 2015

- Researched with a group of scientists working on the project titled "Solar Energy Research Institute for India and the United States (SERIUS)", under which my work was titled 'Performance analysis of PV cells'
- Created a mathematical model of PV cells to find their performance and design characteristics with fixed panels, single axis tracking with tilt and single axis tracking without tilt

PROJECTS

Project S, Spring 2016

- Set up a 250W solar power plant and created a new system design to increase the efficiency of a solar Photovoltaic system using an auxiliary reflector system

Battery hybrid, Project proposal contest ANVAYA, Fall 2013

- Created a battery hybrid using the most upcoming sources of energy which include Solar, Wind, and Fuel cells

SELECT ACHIEVEMENTS

- Wipro Earthian 2014: won \$2,300/- that was awarded at the Institutional level
- Gold medal winner on personality development contest
- ELECRAMA 2016 (The world electricity forum) has provided grant for the project idea titled 'Project S'
- Represented my province by presenting an innovative idea at IRIS National Fair 2007

SELECT EXTRA CURRICULAR ACTIVITIES

- Participated in the two-day workshop on 'Renewable energy' by Indian Society for Technical Education
- Took part in the workshop on 'optical communication and networks' organized by IEEE
- Won the painting competitions at ISKCON Heritage Fest and Satguru School of Art
- Collaborated with many social service organizations like Sweekar Foundation, Indian Development Foundation
- Supervised and hosted various technical seminars and competitions in college like the national seminar on 'Recent trends in power electronic drives'

LANGUAGES KNOWN

English, Telugu, Hindi, Kannada, Sanskrit, German-Basic, Mandarin-Basic