

VENKATARAMAN (VENKAT) RAMACHANDRAN

Phone: 857 488 2241 Email: r.venkat0311@gmail.com

EDUCATION

Massachusetts Institute of Technology, Cambridge

Sep2011- Aug 2012

Master of Engineering in Manufacturing

GPA 4.6/5

College of Engineering Guindy, Anna University, India

2007-2011

Bachelor of Engineering in Manufacturing Engineering (Class Rank 2)

GPA 9.02/10

Standardized Test Scores: GRE – Quantitative 780/800 Verbal 690/800 Writing 4.5/6 TOEFL - 117/120

EXPERIENCE/PROJECTS

Operations Consultant Intern at Applied Materials, Gloucester MA

Jan – Aug 2012

- Developed an issue tree to analyze factory operation with the aim of increasing capacity without additional resource investment.
- Redesigned the layout to improve assembly line balance and potentially increase throughput by 35%.
- Developed a hybrid push-pull inventory policy for the high volume assemblies to improve service levels with 25 % lower total safety stock costs.

Summer MBA at Harvard Business School

June 2012

- Selected for the summer mini MBA program consisting of sessions on finance, accounting, strategy, marketing, economics, operations and quantitative analysis taught by Harvard Business School faculty.

Founding Team Member, Wecyclers - a MIT based crowd sourced recycling start up in Africa

March 2012 – Present

- Co - developed engineering design and prototype of bicycle mounted recyclable waste collection system
- Currently working on the optimizing the supply chain and operations model.
- The start-up was the winner of Legatum Centre Seed Grant, MIT IDEAS Global Challenge, semi-finalist at MIT 100k contest. Among the 10 selected start ups out of 129 entries in the MIT Founders' Skills Accelerator Program.

Winner of USAID/University of Maryland Healthcare Supply Chain Case Competition

Mar – Apr 2012

- Secured 1st position in the national level case competition organized by USAID & University of Maryland aimed at improving supply chains for reproductive healthcare delivery in developing countries.
- Recommended strategies to reduce inventory levels by 25% and improve service level from 91% to 95%.

Consultant for MIT Volunteer Consulting Group

Jan – Feb 2012

- Performed market sizing and segmentation for a start up which provides a crowd-sourcing platform for small-to-medium scale architectural design projects.
- Identified diverse client acquisition channels and presented a roadmap to the CEO to potentially increase client base from 60 to over 1000 in a 1 year timeframe.

Kid Friendly Car Back Seat Project, General Motors

Feb – May 2012

- Designed, prototyped and developed a business plan for a children's car accessory in collaboration with General Motors, as part of product design & development class.
- Presented the product to the Chief Manufacturing Officer of GM for commercialization

LEADERSHIP

Core Member, Events Committee, International Techno-Management Fest Anna University

July 2010 – Feb 2011

- Led a team of 40 event organizers, coordinators and volunteers in conceptualizing, structuring and executing the mechanical engineering, quizzes and management events of the fest
- Managed funds worth \$20,000 and achieved highest ever participation in the history of the fest – 20,000 students from 800 institutions

Industrial Relations Head for Manusys 2011, a national level technical symposium organized by Anna University.

HONORS AND ACHIEVEMENTS

- Finalist at the MIT-Harvard Case Competition 2012.
- Winner of more than 5 technical quiz competitions at the national level in India.
- Appeared in the top 5 percentile of the All India Common Aptitude Test 2010

SKILLS & INTERESTS

Programming/ Software Skills : MS Office, C, C++, SQL, SAS JMP, MATLAB, Minitab.

Interests : Operations Research, Economics, Finance, Quizzing & Debating.