Vamsi Krishna Palivela

Hyderabad, Andhra Pradesh
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Willing to relocate: Anywhere

WORK EXPERIENCE

Specialist

Verizon Data Services India   -   Hyderabad, Andhra Pradesh - March 2015 to Present

Responsibilities
As an Operations Research Specialist, I focus on developing cost saving and profit maximizing mathematical models and implement the same in CPLEX.

Accomplishments
Developed various mathematical models and implemented the same in Excel VBA and in CPLEX. The solution suggested is supposed to bring in a cost saving of $475,000 annually.

Skills Used
CPLEX, C++, LINUX, Excel VBA.

Assistant Manager

GENPACT   -   Hyderabad, Andhra Pradesh - August 2014 to February 2015

Responsibilities
1. Technical team lead for a group of 6 logistics engineers working for a major logistics provider in the US. Mentored the group in developing solution procedures, current tasks, client interactions.
2. Individually contributed in developing an algorithm based on clustering approach to minimize the transportation costs. Implemented the algorithm in C++ and in Excel VBA.

Accomplishments
1. Delivered the projects well on time.
2. Received appreciation from the customers for the cutting-edge solution development.

Skills Used
CPLEX,C++, C#, Excel VBA

Systems Analyst

UST Global   -   Hyderabad, Andhra Pradesh - March 2014 to August 2014

Responsibilities
Worked with project delivery head on understanding the existing network optimization algorithms for a major US based telecom client. Suggested improvements to the algorithms and developed C code implementation of it.

Accomplishments
Cost savings of around $250,000 annual savings by optimally configuring the network.

Skills Used

CPLEX, C, LINUX, Excel VBA

Graduate Assistant

Auburn University - Auburn, AL - January 2010 to December 2013

Responsibilities
1. Graduate Teaching Assistant for the grad and undergrad courses -- Linear Programming, Deterministic Operations Research, Simulation, Manufacturing Systems. Graded exams, taught labs, conducted office hours and recitation classes for these courses.
2. Instructor for undergrad course -- Manufacturing Systems. Taught lectures for an entire semester for a class of 64 students and also supervised two graduate teaching assistants.
3. Graduate Research Assistant -- Developed C++ based discrete event simulation model for a complex serial manufacturing system to estimate various parameters such as throughput rate. Developed stochastic mathematical models for various problems related to the system. Developed algorithms and data analysis to solve the problems.

Accomplishments
Presented a paper on the simulation model for estimating throughput for a complex manufacturing system at an International Conference.

Skills Used
MATLAB, C++, LINGO, SIMIO, ARENA, EXCEL.

Equity trader

Properietery Trading - Hydrabad, India - May 2009 to December 2009

Responsibilities
Day traded Equities, Stock and Index Futures, Stock and Index Options, Commodity futures by using various technical indicators such as Band Bollinger, Moving Averages, etc.

Accomplishments
Achieved over 4% ROI per month.

Skills Used
Technical Indicators, Excel, Bloomberg Data, Meta Stock.

EDUCATION

Master's in Industrial and Operations Engineering

University of Michigan Ann Arbor - Ann Arbor, MI
2007 to 2009

Bachelor's in Mechanical Engineering

National Institute of Technology Karnataka - Surathkal, India
2003 to 2007

SKILLS

C/C++ (9 years), Matlab (6 years), MS Office (9 years), SIMIO (5 years), ARENA (5 years), VBA (5 years)

ADDITIONAL INFORMATION

Relevant Coursework

Simulation Modeling & Analysis, Stochastic Operations Research, Linear Programming & Network Flows, Integer Programming, Nonlinear Programming, Continuous Optimization Methods, Game Theory, Scheduling & Project Management, Decision Support Systems, Plant Flow Systems, Six Sigma, Advanced Engineering Statistics, Manufacturing Economics.