Nita V. Nagdewate

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OBJECTIVE

Actively seeking full time employment in the field of data science.

SKILLS

Data modeling and statistical analysis using R, Linux, Fortran, Latex, Gnuplot,
Computational Electromagnetics, teaching, enthusiastic learner, excellent work ethic.

EDUCATION

Master of Science in Electrical Engineering (Aug 2012 - May 2015)
University of Massachusetts, Lowell, MA, USA (GPA: 3.3)

- **Master's Thesis**: Approximation Error Analysis of Fast Multipole Method (FMM). The objective of the thesis is to examine the cause of error in the FMM method. A single layer implementation of the FMM for the solution of the three dimensional Helmholtz equation is developed. Of particular interest the approximation error in the Green's function and in the sub-domain translation process is emphasized. Simulations were implemented in FORTRAN, and the results were visualized with Gnuplot.

- **Courses**: Data Modeling (using R), Fiber Optic Communications, Introduction to Solid State Electronics, Linear Systems Analysis, Computer Aided Engineering Analysis, Theoretical Acoustics, Control systems, Probability and Statistics.

Bachelor of Science in Electrical Engineering (Aug 2004 - May 2008)
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, India
- **Courses**: Electrical Power Systems, Power Station Practice, Electrical Machines, Microprocessor & Interfacing, Power Electronics, Computer Programming (C), Digital Circuits.
- **Project**: Power Simulation in Open Access Transmission System.
- **Training**: Chandrapur Super Thermal Power Station (15 days, 2007).

WORK EXPERIENCE

Student Researcher (Jan 2013 - May 2015)
Center for Advanced Computation and Telecommunications
University of Massachusetts Lowell, MA, USA

- Worked in a research group of about 15 people on various projects relating to Computational Electromagnetics and Theoretical Acoustics. Worked in a Linux development environment using Open Source tools including Emacs, LaTeX, Fortran, and Gnuplot for simulation and data analysis.

Lecturer in Electrical Engineering (Aug 2008 - Apr 2009), (May 2010 - May 2012)
Priyadarshini College of Engineering, V. M. Institute of Engineering, Nagpur, India

- Taught Fundamentals of Electrical Engineering and Electrical Drives and Control.