

EDUCATION

Master of Science – Civil and Environmental Engineering

Major: Project Management

University of Maryland, College Park, MD

Expected Graduation – Aug .2012

Relevant Courses:

- Management Science Applications in Project Management
- Project Risk Management
- Project Cost Accounting and Finance
- Risk Analysis for Engineering
- Legal Aspects of Engineering Design and Construction
- Project Performance Measurement

Bachelor of Technology in Civil Engineering

Graduation - May 2007

National Institute of Technology, Rourkela, India

COMPUTER SKILLS

- Project Management Tools → Microsoft Project, @Risk
- Programming Languages → C, C++, Java, Lua,HTML ,J2EE,Ajax,Spring,JSP
- Database Languages → SQL , PL/SQL
- Operating Systems → Windows 9x Series, NT, XP, Unix , Linux
- Scripting Languages → Lua, Python, PHP, Javascript
- Others → XML,Photoshop ,Webservices

ACADEMIC PROJECTS & RESEARCH INTERESTS

- **Research Work On Stochastic Programming and Optimization** **UMD**
Worked on the application of Stochastic Programming and Robust Optimization in energy markets and developed energy-efficient models for harnessing Solar Energy and Wind Energy.
- **Development of Energy Efficient Model for a Pharmaceutical Company** **UMD**
Developed a model using Multiobjective and Stochastic programming that reduces the electricity purchase of a given local company, reduces Carbon-dioxide Emissions into the atmosphere by about 50,000 tons in a span of 10 years and at the same time earns millions of dollars as saved expenditures.
- **Risk Management Tools** **UMD**
Used PERT, CPM, Monte-Carlo Simulation and softwares like @RISK in Critical Path determination of Projects .Planning to pursue Financial Risk Management and Flood Risk Management as part of my research thesis.

WORK EXPERIENCE

Accenture India Development Center – Datastage Developer May 2007 –Jan 2008, India

Accomplishments: Created Datamarts for Michelin using Software ETL tools like Datastage and Informatica. The work involved extracting historical financial customer data from existing Flatfiles or Databases, querying those using SQL/PLSQL and ORACLE and applying business rules before saving them in new Business specific Databases.

Pramati Technologies- Web Developer Jan 2008 –June2009, India

Accomplishments: Developed Web-Applications like a customization tool for Bigmachines and an educational product for Sungard using the Model View Controller concept and web-based technologies like J2EE, core Java, spring, Struts, DWR and Javascript.

Kony Labs- Mobile Applications Developer Sept 2009 –Aug2010, India

Accomplishments: Worked on developing an Integrated Desktop Environment for Mobile applications, with Java and C++ and wrote applications on them using the scripting language Lua and Core Java .This also involved an end to end integration with client server with SOAP and XML. Developed Mobile Banking Application for Citibank US and United Airlines.

TEACHING EXPERIENCE

- **Conducting Seminars**
Took seminars on Finite Elements for fellow students – NIT Rourkela, India
- **Knowledge Transfer Sessions**
Knowledge transfer sessions and Project seminars to the interns and new team members – Accenture Services Ltd, Pramati Technologies and Kony Labs.
- **Training Students For CAT**
Coached students for CAT (Common Admissions Test) in Career Launcher, India.

EXTRA CURRICULARS

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- Coordinator at Confluence2K6, and Spring Festival 2K6 in the annual technical symposium ,NIT Rourkela Feb 2006
Responsibilities: Managing department level events and hosting shows.
 - Member of Rotaract club, Rourkela a branch of Rotary International Aug 2004 – May 2007
Responsibilities: Involving myself in social reform activities organized by the club.
 - Editor of the College newsletter “Renaissance” Aug 2004 – May 2007
Responsibilities: Contributing articles to the magazine and also thorough supervision of the other Articles.
 - Editor of the hostel magazine “Velocity Forging Ahead”
Responsibilities: Contributing and collecting articles for the magazine and sending them out for publication.
 - Conducting and participating in debates at Undergraduate Technical School and teaching poor children over the weekends.