

# DEBOTYAM MAITY

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## **OBJECTIVE**

I am looking for an internship opportunity in the field of reservoir characterization where I can use my educational and research background to the fullest in addition to gaining a more comprehensive understanding of the industry. I strive to create and work in an environment where I can use my aptitude in problem solving to achieve meaningful results.

## **EDUCATION**

PhD., Petroleum Engineering, University of Southern California (Aug. 2008 to Present)

- Enrolled in the Petroleum Engineering, Ph.D. program.
- Cumulative GPA: 3.96
- *Related coursework:* Transport Processes in Porous Media, Drilling Engineering, Formation Evaluation, Geo-statistics, Well Testing, Reservoir Engineering, Petroleum Geology, Enhanced Oil Recovery, Modeling and analysis of chemical engineering systems, Numerical simulation of subsurface flow, Well completion, Reservoir characterization and Rock mechanics.

B.E., Chemical Engineering, R. V. College of Engineering, Bangalore, India (2002 to 2006)

## **WORK EXPERIENCE**

- Teaching Assistant for Intelligent and collaborative oilfield systems characterization and management course at USC for fall 2010 semester.
- Teaching Assistant for Formation Evaluation course at USC for fall 2009 semester.
- Research Assistant for Dr. Fred Aminzadeh (Aug. 2009 to present).
- Field Operations & Panel Engineer, Reliance Industries Limited – Hazira, India (2006 to 2007)

## **RESEARCH EXPERIENCE**

- Research Assistant (Aug. 2009 to present)
  1. Working on characterization of the Geysers using soft computing techniques under Dr. Fred Aminzadeh.
  2. Working towards application of anisotropy effects on microseismic data at the Geysers under Dr. Leon Thomsen.
  3. Co-authored a paper titled “Characterizing fractures in geysers geothermal field using soft computing” to be presented at the 2010 GRC annual meeting.
- Undergraduate Research
  1. Adsorption of Chromium on Activated Saw dust (2005 to 2006)
  2. Design & Simulation of Shell & Tube Heat Exchanger (2004 to 2005)

## **ACTIVITIES & ACHIEVEMENTS**

- Received Viterbi Doctoral Fellowship for 2008-2012 academic years.
- Participated in the SEG/ Exxon Mobil student education program as part of the SEG 2010 meeting in Denver.
- Vice President of the SEG student Chapter at University of Southern California (2010 to present).
- Participated in Numerous shutdown activities in Naphtha Cracker Complex, RIL – Hazira (2006 to 2007).
- Ranked 3<sup>rd</sup> among 450 students of Chemical Engineering under VTU, Belgaum (2006).
- Winner of the National Scholarship Scheme under Govt. Of India (2001 to 2002).

## **SKILLS**

- Proficient in C/C++, MATLAB, Visual Studio, OpenTect, HDS 2000, CMG, Photoshop, Flash, etc.

## **PROFESSIONAL AFFILIATIONS**

- Member of *Society of Petroleum engineers.*
- Member of *Society of Exploration Geophysicists.*
- Member of *American Association of Petroleum Geologists.*

*References can be provided on request*