

SIDDHARTHA AGARWAL

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Education:

Currently enrolled in PhD Systems Engineering at University of Missouri Science & Technology

- M.S. from University of Alaska Fairbanks, USA, May 2010 (GPA 3.8/4.0)
- B.TECH. Mining Engineering from Indian Institute of Technology-BHU in May 2006.

Experience:

In a short time, I have been exposed to a wide array of responsibilities that have complemented my technical skills and developed strong leadership skills

PhD

Remote monitoring of physiological and psycho-physiological parameters in human body along with chemical, biological and nuclear hazardous environments

Mintec Inc: Mining Engineer I (June 2010-Jan 2011)

Worked for one of the leading mining software companies in the world Mintec Inc. (June 10-Jan, 2011). Trained in the use of mine design software MineSight (used for Mine Designing, Ore Reserve Estimation, Mine Planning scheduling).

Alaska Department of Natural resources: Mining engineering Intern (May –Dec, 2009)

- Hands on experience reviewing mine reclamation and closure cost estimates worth 30 million dollars and above for major hard rock mines.
- Was a part of the team (including department of environmental conservation (DEC) & army core of engineers) to travel to different mines in and outside the state to review environmental norms in large and placer mines.
- Designing a critical path method for Mine Permitting and Laws for placer mines in Alaska.

University of Alaska Fairbanks: Teaching Assistant (2008-10)

- Computer Techniques and Dynamics which in turn helped me gain excellent communication skills.

Steel Authority Of India Ltd. (SAIL): Mining Engineer production manager (2006-08)

- Have worked in open pit iron ore mines of a Government enterprise, the largest steel producer in India and one of the leading globally.
- Worked from 10th August 2006 - 5th September 2008: Managed a shift (8 hours) and manpower of 50-100 workers along with- production of iron ore, involving a team of subordinate supervisors & operators.

- Acquired skills for managing overall process of effective communication, supervision and handling pressure.

MS Project: Graduate Student (2008-10)

Development of automated artificial neural network software in VB.Net for analyzing data from various mining processes such as plant processing , drilling & blasting data, mine equipment maintenance data, and comparing the results with available software and regular techniques such as geostatistics in mining.

Skills:

Programming in C++, Microsoft word, excel, power point, R, MATLAB, Visual Basic.

Publications:

- Paper published at Society of Mining & Metallurgy, 2010 Denver: development of an automated neural network. Authors-Siddhartha Agarwal, Rajive Ganguli (MS project advisor).

Extra Curricular activities:

- Member of the International Students representative Union at UAF.
- My hobbies include swimming and badminton.
- Played Badminton for BHU and Tennis for UAF at amateur levels.
- Chief-Editor of the journal Min-Mag, a departmental endeavor at the university.
- Student Chair for the Student-industry entrepreneurship cell in INDIA.
- Volunteer for Big Brothers and Sisters program and State Parks.

REFERENCES

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