

ABHINAV JAGETIA

412 S Cooper Street, Apt. 23
Arlington, Texas- 76013

Phone: 585-732-2834
Email: abhinavjag@gmail.com

OBJECTIVE:

To obtain an entry level position as a metallurgical engineer in an organization that utilizes my previous work experience in manufacturing and engineering skills.

SUMMARY OF QUALIFICATIONS:

- More than two years of shop floor experience in Aluminium Hot Rolling and Cold Rolling with strong emphasis on Lean manufacturing.
- Excellent knowledge of material handling, production, planning, scheduling and manpower management.
- Two years experience of handling material, manufacturing issues and customer complaints.
- Excellent communication, presentation, documentation and project management skills. Statistical problem solving involving design of experiments and analytical skills.

EDUCATION:

M. Eng, Materials Science and Engineering, GPA: 3.5/4 Expected Dec. 2010
The University of Texas at Arlington, Texas, USA

B. Tech, Metallurgical Engineering, GPA: 8.21/10 May 2006
Malaviya National Institute of Technology, Jaipur, India

WORK EXPERIENCE:

Bharat Aluminium Company Ltd. Korba, India Assistant Manager 06/2006-07/2008

Production, Planning and Control:

- Planned day-to-day activities, production schedules and work allocation to achieve monthly production target of 5000 metric tonnes of finished metal products.
- Coordinated with Marketing and Research and Development for product development both for export as well as indigenous market.
- Executed cost saving techniques to achieve \$40000 reduction in Operation and Management expenditures and gross margin targets.

Management:

- Worked as Shift Engineer and supervised 150 technical employees involved in production, operation and maintenance.

Projects:

- Coordinated with project team in successful commissioning of preheated soaking furnace.

Shop Floor Operations:

- Managed manual plate cutting area and completed domestic and international orders related to strategic alloys including AA-2014, AA-5052, AA-5083, AA-6351 etc.
- Minimized bottlenecks by 10% and achieved high productivity with optimization of men, material and machine to ensure compliance with ISO standards.

Computer Skills:

- MATLAB, Minitab, Windows 7, Vista, Windows XP, DOS and MS Office.

INTERNSHIPS:

- Underwent one month Industrial training on various industrial processes for manufacturing strategic alloys at Mishra Dhatu Nigam Ltd. ([MIDHANI](#)), a Government of India undertaking (Ministry of Defence) in May 2005.

ENGINEERING SKILLS:

- Laboratory experience in metallographic and other general laboratory techniques. Failure analysis experience including destructive and non-destructive testing.
- Knowledge of Fourier Transform Infrared Spectroscopy (FTIR), Raman Spectroscopy, X-Ray Diffractometer, Scanning Electron Microscope (SEM), Atomic Force Microscopy (AFM) and Transmission Electron Microscopy (TEM).

ACADEMIC PROJECTS AND PRESENTATIONS:

- Currently carrying a review project on "Cryogenic treatment and its impact on the mechanical properties of tool steel"
- Conducted study on the understanding of Electromigration phenomenon in Copper interconnects in March 2010.
- Reviewed various fabrication techniques in the processing of Metal Matrix Composites as a part of project curriculum in October 2009.
- Successfully fabricated a composite electroplating involving co-deposition of Diamond particles with Nickel and Cobalt on Copper substrate (January 2006- May 2006).
- Won 2nd prize for the presentation entitled "Discontinuously Reinforced Metal Matrix Composites" at Tathva, a national level seminar held at NIT Calicut on 29th February 2004.

RESEARCH PUBLICATIONS:

- A. Jagetia, G.C. Jagetia and S. Jha. "[Naringin, a grape fruit flavanone, protects V79 cells against the bleomycin-induced genotoxicity and decline in the survival.](#)" Journal of Applied Toxicology 27(2):122-32 (2007).

PROFESSIONAL MEMBERSHIPS:

- American Society for Metals
- Association for Iron and Steel Technology
- The Minerals, Metals and Materials society.