

NIHAR NIRAJ GARG

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OBJECTIVE

Mechanical engineering student and technology enthusiast with a positive attitude, seeking a full-time position at a company to be part of a team that challenges me to further my engineering and leadership skills.

EDUCATION

Purdue University - West Lafayette, IN

Expected Graduation: May 2016

Bachelor of Science in **Mechanical Engineering**

Cumulative GPA: 3.36 / 4.0

Courses: Machine Design, Thermodynamics, Heat & Mass Transfer, Manufacturing Processes

Professional Associations: American Society of Mechanical Engineers (ASME)

WORK EXPERIENCE

Kaiser Aluminum - Kalamazoo, MI

May 2015 - August 2015

Mainly responsible for problem solving around the plant and improving plant operations

- Extrusion Camera Project: Completed capital project with budget over \$50,000
- Prepared Scope of Work, finalized Capital Summary and requested investment
- Fabrication Cell Project: Designed (using CATIA), analyzed and tested a transition ramp
- Basket Extraction Project: Enhanced ergonomics and safety by designing a new cart (using AutoCAD)

Baker Hughes - Abu Dhabi, U.A.E.

July 2014

- Worked on Liner Hanger Systems with field engineers in CWI workshop
- Used service units to disassemble, repair and redress Hydraulic Release Liner Setting Tool
- Performed pressure test, function test and completed technical data sheet for various tools

Undergraduate Teaching Assistant - Purdue University

January 2014 - May 2014

- Mentored 7 teams in the 'Transforming Ideas to Innovation II' class
- Tutored students in MATLAB and Microsoft Excel and gave feedback on assignments
- Coached teams on 2 authentic engineering design projects and promoted analytical thinking

Control Contracting & Trading Co (CCTC) - Abu Dhabi, U.A.E.

May 2013 - June 2013

Project Title: 'Design, Fabricate & Supply Containerized Accommodation Modules for offshore use'

- Got practical experience in Steel Fabrication and HVAC Duct Fabrication
- Trained in Health, Safety & Environment and performed quality, materials & progress inspections

PROJECTS & RESEARCH

Toys to Physics to Design (T2P2D) - C Design Lab, Dr. Karthik Ramani

August 2014 - December 2014

- Developed workshops to design toys and evaluated ease-of-use for CAD software
- Manufactured prototypes using 3D printing (Ultimaker 2, Mojo 3D Printer, Makerbot)

SKILLS

Engineering:	Project Management	Product Design & Development		Engineering Ethics	Sustainability	
Programming:	MATLAB	C	NI LabVIEW	Python	HTML	JavaScript
Designing:	CATIA V5	AutoCAD 2016		SolidWorks	Autodesk ForceEffect	
Languages:	English (Bilingual Proficiency)		Hindi (Native Proficiency)		French (Professional Proficiency)	

LEADERSHIP & TEAM BUILDING

Purdue Hackers - Purdue University

August 2015 - Present

- Assisted with hackathons and learned a lot about iOS & Android app development

Purdue Energy Forum Electric Vehicle Grand Prix - Purdue University

August 2013 - June 2014

- Designed and assembled two electric vehicles as part of Powertrain teams
- Finished 2nd place at 'Electric Vehicle Grand Prix' in Indianapolis Motor Speedway

International Programs - Purdue University

January 2014 - May 2015

- Consultant for the Multinational Integration Xchange (MIX) program