

NIHAR N. GARG

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OBJECTIVE

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

EDUCATION

Purdue University - West Lafayette, IN

Bachelor of Science in **Mechanical Engineering**

Professional Associations: American Society of Mechanical Engineers (ASME)

Expected Graduation: May 2016

Cumulative GPA: 3.36 / 4.0

WORK EXPERIENCE

Kaiser Aluminum - Intern Project Engineer

Kalamazoo, MI

May 2015 - August 2015

- Responsible for problem solving around the plant and improving plant operations
- Prepared scope of work, finalized capital summary and requested investment
- Designed & tested solutions to maximize ergonomics and reduce downtime

Baker Hughes - Intern Engineer

Abu Dhabi, U.A.E.

July 2014

- Worked on liner hanger systems with field engineers in CWI workshop
- Used service units to repair and redress hydraulic release liner setting tools
- Performed pressure & function tests and completed technical data sheet for various tools

Purdue University - Undergraduate Teaching Assistant

West Lafayette, IN

January 2014 - May 2014

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

Control Contracting & Trading Co (CCTC) - Engineering Intern

Abu Dhabi, U.A.E.

May 2013 - June 2013

- Inspected quality of containerized accommodation modules for offshore use
- Operated steel fabrication and HVAC duct fabrication machines
- Acquired health, safety & environment training and performed progress checks

PROJECTS & RESEARCH

Toys to Physics to Design (T2P2D) - Purdue University C Design Lab

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, Sustainability

Programming: MATLAB, C, NI LabVIEW, Python, HTML, JavaScript, Swift

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

- Developed iOS, Android & web apps and participated in hackathons

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