

NIHAR N. GARG

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I am an engineering leader who is excited to be part of a team that challenges me to align my project management skills and passion for technology to solve real-world problems. I hope to help companies structure and execute transformation projects that will have lasting effects on growth and competitiveness.

EDUCATION

Purdue University, West Lafayette, IN - May 2016

Bachelor of Science in **Mechanical Engineering**, GPA: 3.40 / 4.0

Engineer-in-Training

ET 31600066

WORK EXPERIENCE

Charles River Development - Associate Support Analyst

Indianapolis, IN

- Managed global operations for SaaS clients & created workflow templates for projects July 2016 - Present
- Devised process improvement strategies using automation tools to ensure efficiency and reliability
- Solved problems by collaborating with other teams & executed job scheduling migrations

Kaiser Aluminum - Intern Project Engineer

Kalamazoo, MI

- Responsible for problem solving around the plant and improving plant operations Summer 2015
- Managed 5 capital projects, prepared scope of work and requested investment
- Designed & tested solutions to maximize ergonomics and reduce downtime

Baker Hughes - Intern Engineer

Abu Dhabi, U.A.E.

- Assembled liner hanger systems with field engineers in CWI workshop Summer 2014
- Used service units to repair and redress hydraulic release liner setting tools
- Performed pressure & function tests and completed technical data sheet for various tools

Control Contracting & Trading Co (CCTC) - Engineering Intern

Abu Dhabi, U.A.E.

- Inspected quality of containerized accommodation modules for offshore use Summer 2013
- Operated steel fabrication and HVAC duct fabrication machines
- Acquired health, safety & environment training and performed progress checks

PROJECTS & PRODUCTS

Smart Bin Remover - Senior Engineering Design

Purdue University

- Headed the programming of the robot using an Arduino and coordinated design presentations Spring 2016
- Led the integration and testing of "smart" technologies to remove all user interaction

Project LiT - HackIllinois Hackathon

University of Illinois at Urbana-Champaign

- Produced code to integrate all the components of a wearable device using an Arduino Spring 2016
- Implemented the engineering design process and *won top 5 for best hardware hack*

Project Green Light - BoilerMake Hackathon

Purdue University

- Collaborated on the design and manufactured a product which revolutionizes social interactions Fall 2015
- Developed and conceived innovative uses for the product and *won top 5 for best hack*

SKILLS

Engineering: Project Management Design Thinking Product Development Data Analysis Sustainability

Programming: MATLAB C Arduino SQL NI LabVIEW HTML CSS JavaScript

Designing: CATIA V5 SolidWorks Autodesk Inventor AutoCAD Rapid Prototyping 3D Printing

LEADERSHIP & TEAM BUILDING

American Society of Mechanical Engineers (ASME) - Faculty Relations

Purdue University

- Coordinated with faculty on applying their research to meaningful engineering projects Fall 2015 - Spring 2016

Boiler Gold Rush & International Programs - Team Leader & Consultant

Purdue University

- Introduced cross cultural training programs, such as FISH! Philosophy, to the teams Fall 2013 - Spring 2015

Purdue Energy Forum Electric Vehicle Grand Prix - Powertrain Team Member

Purdue University

- Designed and assembled two electric vehicles and finished 2nd place at Grand Prix Fall 2013 - Spring 2014