

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, strong work ethic and passion for technology to solve real-world problems.

EDUCATION

Purdue University - West Lafayette, IN

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

Professional Associations: American Society of Mechanical Engineers (ASME)

Engineer-in-Training

ET 31600066

State of Indiana

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 such as 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 May 2015 - August 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 July 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 May 2013 - June 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 build of a product which revolutionizes social interactions Fall 2015
- Developed and conceived innovative uses for the product and *won top 5 for best hack*

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

Purdue University

- Established workshops to design toys and evaluated ease-of-use for CAD software Fall 2014
- Manufactured prototypes using 3D printing technologies (Ultimaker 2, Makerbot)

SKILLS

Engineering: Project Management Product Design & Development Data Analysis Sustainability

Programming: SQL MATLAB C Arduino NI LabVIEW HTML JavaScript

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

LEADERSHIP & TEAM BUILDING

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