

# NIHAR N. GARG

<http://garg.xyz>

[linkedin.com/in/nihargarg](https://www.linkedin.com/in/nihargarg)

[nihar@purdue.edu](mailto:nihar@purdue.edu)

(765) 637-6500

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: 3.4 / 4.0

Engineer-in-Training

**ET 31600066**

## WORK EXPERIENCE

**Charles River Development** - Associate Systems Analyst, SaaS Operations

Indianapolis, IN

- Managed global operations for SaaS clients and designed reliable systems solutions July 2016 - Present
- Devised and executed 80+ process improvement strategies to increase efficiency and effectiveness
- Took initiative to identify and solve problems across various teams using automation tools

**Kaiser Aluminum** - Intern Project Engineer, Manufacturing

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 and tested solutions to maximize ergonomics and reduce downtime

**Baker Hughes, a GE company** - Intern Field Engineer, Oil and Gas

Abu Dhabi, U.A.E.

- Prepared reports by collecting, analyzing & summarizing data and made recommendations Summer 2014
- Assembled, repaired and redressed hydraulic release liner hanger systems using service units
- Performed pressure quality & function tests and completed technical data sheet for various tools

**Control Contracting & Trading Co** - Engineering Technology Intern, Construction

Abu Dhabi, U.A.E.

- Inspected quality of containerized accommodation modules for offshore use Summer 2013
- Created workflow templates for projects and operated HVAC duct fabrication machines
- Performed environmental health and safety training, risk inspections and 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 Python NI LabVIEW HTML CSS JavaScript XML

**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 2<sup>nd</sup> place at Grand Prix Fall 2013 - Spring 2014