

# NIHAR N. GARG

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I am an engineering leader looking 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 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

Licensed **Engineer in Training (EIT)**

State of Indiana: ET 31600066

## WORK EXPERIENCE

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

Indianapolis, IN

- Managed global operations and provided tier 2 back-end support for SaaS clients Jul 2016 - Nov 2017
- Initiated and executed 80+ process improvement strategies to increase efficiency and effectiveness
- Designed new reliable systems solutions and refined existing operational procedures
- Built and maintained automation workflows on job schedulers such as Rundeck and Tidal
- Participated in daily DevOps Scrum meetings and tracked cases using Salesforce's CRM platform
- Mentored new hires and recruited university interns as a Purdue alumni and senior team member

**Kaiser Aluminum** - Intern Project Engineer, Plant Operations

Kalamazoo, MI

- Managed 5 capital projects, prepared scope of work and requested investment May 2015 - Aug 2015
- Solved problems around the plant and presented quantifiable results to the management team
- Devised solutions to maximize ergonomics, improve plant operations and reduce downtime

**Baker Hughes, a GE company** - Intern Quality Engineer, Field Operations

Abu Dhabi, U.A.E.

- Prepared reports by collecting, analyzing & summarizing data using Microsoft Excel Jun 2014 - Jul 2014
- Assembled, repaired and redressed hydraulic release liner hanger systems using service units
- Generated technical data sheet for various tools and performed pressure quality & function tests

**Control Contracting & Trading Co** - Intern Mechanical Engineer, Projects

Abu Dhabi, U.A.E.

- Drafted workflow templates for projects and operated HVAC duct fabrication machines May 2013 - Jun 2013
- Inspected and documented the quality of containerized accommodation modules for offshore use
- Fulfilled environmental health and safety trainings, 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 May 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 Feb 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 Oct 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 Analytics Sustainability  
**Programming:** MATLAB C Arduino Python SQL NI LabVIEW HTML JavaScript MS Excel  
**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 Sep 2015 - May 2016

**Boiler Gold Rush & International Programs** - Team Leader & Consultant

Purdue University

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

**Purdue 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 Aug 2013 - Jun 2014