

# NIHAR N. GARG

<https://garg.xyz>  
[linkedin.com/in/nihargarg](https://www.linkedin.com/in/nihargarg)

[gargxyz@outlook.com](mailto:gargxyz@outlook.com)  
(765) 637-6500



I am a curious problem-solver looking to be part of a team where I can align my technical project management skills and passion for technology to provide data-driven solutions to real world challenges through engineering design.

## EDUCATION

### Purdue University

Bachelor of Science in **Mechanical Engineering**, GPA: 3.4 / 4.0

West Lafayette, IN

Aug 2012 - May 2016

## LICENSES & CERTIFICATIONS

### LEED® Green Associate™ - 11290428-GREEN-ASSOCIATE

Green Business Certification, Inc.

- Demonstrated the knowledge and understanding of green building practices and principles Apr 2019 - Present

### Engineer in Training (EIT) - ET 31600066

Indiana Professional Licensing Agency & NCEES

- Established an understanding of fundamental engineering principles Apr 2016 - Present

## WORK EXPERIENCE

### Princeton Engineering Services - Project Engineer

Plainsboro, NJ

- Managed projects through the lifecycle, from conceptual design through project completion Jan 2018 - Present
- Performed heating and cooling load calculations to determine design criteria and size system components
- Prepared RFP responses, scope reports, design drawings using AutoCAD and construction cost estimates
- Collaborated with architects and contractors to ready bid documents, answer RFIs and review specifications

### 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
- Deployed and maintained automation workflows on job schedulers such as Rundeck and Tidal
- Initiated process improvement strategies in Scrum meetings and tracked cases on Salesforce's CRM platform

### Kaiser Aluminum - Intern Project Engineer

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

## PROJECTS & PRODUCTS

### Smart Bin Remover - Engineering Design & Innovation

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

<b>Engineering:</b>	Project Management	Design Thinking	Product Development	Data Analytics	Sustainability		
<b>Programming:</b>	C	Arduino	Python	SQL	NI LabVIEW	HTML	JavaScript
<b>Designing:</b>	Autodesk AutoCAD	Trane Trace	CATIA	SolidWorks	Rapid Prototyping	3D Printing	
<b>Data:</b>	MATLAB	Tableau	Salesforce	MS Excel	MS Access	MS SQL Server	

## 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