

NIHAR N. GARG

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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 over 20 technical projects, from conceptual design through project completion Jan 2018 - Present
- Performed heating and cooling load calculations to determine design criteria and size system components
- Supervised a multi-disciplinary team of 5 engineers, produced scope reports and created design drawings
- Collaborated with architects and contractors to produce system specifications and construction cost estimates

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
- Built and maintained automation workflows on job schedulers and configured database changes using SQL
- Initiated 80+ process improvement strategies and planned product lifecycle phases using Agile methodologies

Kaiser Aluminum - Intern Project Engineer

Kalamazoo, MI

- Managed 5 projects which improved the safety and quality monitoring of plant operations May 2015 - Aug 2015
- Devised solutions to production issues and presented quantifiable results to the management team
- Created strategies to reduce downtime and maximize ergonomics by making the process more adaptable

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

Engineering:	Project Management		Design Thinking	Product Development		Data Analytics	Sustainability
Programming:	C	Arduino	Python	SQL	NI LabVIEW	HTML	JavaScript
Designing:	AutoCAD	CATIA	SolidWorks	Autodesk Inventor		Rapid Prototyping	3D Printing
Data:	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