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