

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

Princeton Engineering Services - *Project Engineer* Plainsboro, NJ

- Designed and implemented mechanical, electrical and plumbing (MEP) and FP systems Jan 2018 - Present
- Managed projects through all aspects of the lifecycle, from conceptual design through project completion
- 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

Baker Hughes, a GE company - *Intern Quality Engineer* Abu Dhabi, U.A.E.

- Prepared reports by collecting, analyzing & summarizing data using Microsoft Excel Jun 2014 - Jul 2014
- Generated technical data sheet for various tools and performed pressure quality & function tests

Control Contracting & Trading Co - *Intern Mechanical Engineer* 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

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: MATLAB C Arduino Python SQL NI LabVIEW HTML JavaScript MS Excel

Designing: Autodesk AutoCAD Trane Trace CATIA SolidWorks 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