

NIHAR N. GARG

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I am an engineering leader who is excited 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 help companies structure and execute transformation projects that will have lasting effects on growth and competitiveness.

EDUCATION

Purdue University, West Lafayette, IN - May 2016

Engineer-in-Training

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

ET 31600066

WORK EXPERIENCE

Charles River Development - Associate Systems Analyst, SaaS Operations

Indianapolis, IN

- Managed global operations for SaaS clients and designed reliable systems solutions July 2016 - Present
- Devised and executed 80+ process improvement strategies to increase efficiency and effectiveness
- Took initiative to identify and solve problems across various teams using automation tools

Kaiser Aluminum - Intern Project Engineer, Manufacturing Operations

Kalamazoo, MI

- Responsible for problem solving around the plant and improving plant operations Summer 2015
- Managed 5 capital projects, prepared scope of work and requested investment
- Designed and tested solutions to maximize ergonomics 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 and made recommendations Summer 2014
- Assembled, repaired and redressed hydraulic release liner hanger systems using service units
- Performed pressure quality & function tests and completed technical data sheet for various tools

Control Contracting & Trading Co - Intern Mechanical Engineer, Project Operations

Abu Dhabi, U.A.E.

- Inspected quality of containerized accommodation modules for offshore use Summer 2013
- Created workflow templates for projects and operated HVAC duct fabrication machines
- Performed environmental health and safety training, 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 Spring 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 Spring 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 Fall 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 Analysis Sustainability

Programming: MATLAB C Arduino SQL Python NI LabVIEW HTML JavaScript XML

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 Fall 2015 - Spring 2016

Boiler Gold Rush & International Programs - Team Leader & Consultant

Purdue University

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

Purdue Electric Vehicle Grand Prix - Powertrain Team Member

Purdue University

- Designed and assembled two electric vehicles and finished 2nd place at Grand Prix Fall 2013 - Spring 2014