

# CHIRAG DAMLE

E: [chiragdadle@gmail.com](mailto:chiragdadle@gmail.com) | P: (862) 800-1546 | A: Harrison, NJ 07029 | L: [www.linkedin.com/in/chirag-damle](http://www.linkedin.com/in/chirag-damle)

## OBJECTIVE

---

Highly motivated graduate seeking full time job in Engineering or Management domain to grow dynamically by contributing towards company's success with my Mechanical Aptitude and Master's Degree in Mechanical Engineering.

## EDUCATION

---

### Master of Science in Mechanical Engineering - GPA: 3.20

Graduated: May 2019

New Jersey Institute of Technology, Newark, New Jersey

**Coursework:** Computer Aided Design, Analytical Methods in Machine Design, Mechanical Measurements, Project Management, Supply Chain Management, Modern Control Methods, Mechanical Behavior of Materials

### Bachelor of Science in Mechanical Engineering - GPA: 3.50

Graduated: May 2016

University of Mumbai, India

**Coursework:** Machine Design, Computer Aided Design, Thermodynamics, Heat Transfer, Finite Element Analysis, Manufacturing Processes, Industrial Engineering, Automobile Engineering, Power Plant Engineering

## COMPUTER SKILLS

---

**Design and Analysis:** AutoCAD, Revit MEP, Pro-Engineer / PTC Creo, Autodesk Inventor, SolidWorks, Ansys, MATLAB

**Other tools:** GD&T, BOM, MS Word, MS Excel, MS PowerPoint, MS Project

## WORK EXPERIENCE

---

### Mechanical Engineering Intern

Feb 2020 - Present

*Henick-Lane Inc, Queens, NYC*

- Estimated, Scheduled and managed HVAC construction projects of residential as well as high-rise construction
- Created effective work schedule, taking into account labor, ductwork and piping material productivity, equipment delivery times and project specific deadlines

## CERTIFICATIONS

---

- Wind Energy by Technical University of Denmark (DTU)
- AutoCAD, Revit MEP, Microsoft Project, GD&T by LinkedIn Learning
- Pneumatics and Mechatronics Application from Prolific Systems and Technologies Pvt Ltd

## PROJECTS

---

### Managing Inventories at ALKO Inc. (NJIT)

Sep 2018 - Dec 2018

- Evaluated the Total Inventory and Distribution cost of the present Supply Chain and a Centralized system
- Developed the most cost saving Supply Chain using the combination of the Centralized and Decentralized system

### Designed and Modelled 3-Wheeler Cart by using PTC Creo and SolidWorks (NJIT)

Jan 2018 - May 2018

- Created 3D models of parts such as Wheel, Wheel Axle, Screw, Handle, Spring, Arm Bracket, Front Frame, Front Pillar using tools such as Extrude, Revolve and Assembled together to form a full assembly of the cart
- Created 2D Drawings, Views, Bill of Materials and Developed G & M codes using Creo Manufacture

### Holmes Playground Redevelopment (NJIT)

Jan 2018 - May 2018

- Used tools such as Project Planning, Scheduling, Work Breakdown Structure, Gantt Chart, CPM/PERT, PDM, PDCA Cycle, Cost Variance Analysis, Quality Control charts, Risk Management Plan, Project Closure
- Developed Cost Management Plan to determine the budget required for redevelopment of Holmes Playground

### Designed and Fabricated Abrasive Drill for Glass (Bachelor's)

Jan 2016 - May 2016

- Modified the Nozzle Angle and changed the Design of Abrasive Jet Machining (AJM) by Application of high-speed stream of Silicon Carbide Abrasive Particles carried in a Gas medium from a Nozzle

### Hydraulic Crane (Bachelor's)

Mar 2016 - Apr 2016

- Used principles from Pascal's Law of fluid mechanics to build a hydraulic crane from Plastic Syringes and Saline Tubes for transmitting hydraulic pressure applied to an in-compressible liquid

## EXTRA CURRICULAR

---

- Member of Society of Automotive Engineers (SAE) Organization at New Jersey Institute of Technology
- Completed Workshop on Automobile Design and Dynamics Organized by SAE India Collegiate Club
- Front Desk Attendant, University housing department of New Jersey Institute of Technology
- Visited, studied operations and presented report on coal fired 500 MW Reliance Energy Thermal Power Station