

ADITYA GANESAN

9930862563,9941394824; gaditty96@gmail.com
www.linkedin.com/in/adityaganesan

EDUCATION

IIITDM, Kancheepuram

B.Tech. , Mechanical Design and Manufacturing

June 2017

CGPA 7.87

ATOMIC ENERGY JUNIOR COLLEGE, MUMBAI

HSC, Vocational-Electrical Maintenance

May 2013

92.33 %

CORE COMPETENCIES AND DISCIPLINE

Design Engineering | Quality Management | Additive Manufacturing | Manufacturing Technology | Total Quality Management | SPC | Statistical Quality Control

TECHNICAL SKILLS

Design: PTC Creo, CATIA V6, AutoCAD, Autodesk Inventor
Analysis Tools: NI LabVIEW, NI ELVIS II Kit, MATLAB, Simulink
Office Tools: Microsoft Office Suite

WORK EXPERIENCE

Design Engineer , SVP Laser Technologies Pvt. Ltd.

July'2018 - present

- Providing technical support to customers
- Assisting in machine assembly of various CNC machines
- Going to customer places and giving them training and maintenance of machine
- Developing new features for betterment for the CNC machine
- Using the CNC router to cut various parts for online orders and various projects
- Making 3dmodels based on requirement using fusion 360 software
- Showing demonstration of the CNC machines to potential customers

INTERNSHIP

Defense Research and Development Organization, *Research and Innovation Center*

May 2015 –July 2015

Research Intern

- Performed modelling of a Scramjet Engine Combustor using MATLAB and Creo
- Simulated and analyzed parameters of the combustor engine chamber and analyzed results using graphs
- Presented a detailed report to Dr.V.Ramanujachari, Director ,DRIC and team on the simulation results

ACADEMIC PROJECT

CNC Additive Manufacturing System

Aug' 2016 – Jun'2017

- Streamlined the digital thread of multi axis CNC system using simulation and designed using CURA and CAM
- Proposed parametric changes to enhance productivity of the hybrid manufacturing
- Performed detailed study and analysis of the additive and subtractive processes within a single workstation
- Presented a detailed report on the proposed changes of process of streamlining the CNC system
- Performed remanufacturing of pelton turbine blade using hybrid manufacturing

Prototype of Smart Cleaner

Jan'2016 – Apr'2016

- Designed and fabricated a smart cleaner that performs both floor cleaning and air purification
- Presented a detailed report and proposed alternate operation of the cleaner using mobile application

Parking Assistant**Sept'2015 – Nov'2015**

- Designed and fabricated a circuit for parking assistant using ultrasonic sensors and Arduino UNO
- Installed Buzzer in the circuit gives an alarm making the driver aware of the obstacle during parking

Process Design of a Bio waste management System**Sept'2014-Nov'2014**

- Assessed the process of converting meat wastes from restaurants and butcher shops to useful products
- Developed process replicating Bio-Mimicry of digestive system of natural scavengers like vulture

COMPETITIONS, LEADERSHIP EXPERIENCE & ORGANIZATIONS***Sports Secretary, IIITDM****2015-2017****Head Coordinator, National Sports Organization, IIITDM****2014-2015****Football Team Captain, IIITDM****2016-2017*