

RESUME

Aadhitya Jayaprakash

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Chennai

EDUCATION

Bachelor of Engineering (B.E), Industrial engineering (2016 - 2020)

College of Engineering Guindy (CEG),

Anna University

CGPA : 9.02/10

XII (Senior Secondary), Science

Year of Completion: 2015

Tamil Nadu State Board

Velammal Matriculation Higher Secondary School

Percentage : 94.90%

X (Secondary)

Year of Completion: 2013

Tamil Nadu State Board

St.John's Matriculation Higher Secondary School

Percentage : 97.20%

INTERNSHIPS

Industrial Engineering

TATA Advanced Materials Ltd
Bangalore

Nov 2019 – Dec 2019

The project addressed concepts of Production Preparation Process (3P), lean production tools, Spaghetti diagram, SWOT analysis and facility layout. This project elucidated the advantages of 3P, thereby developing a learning environment to inculcate team work, introducing lean production strategies, and facilitating cross-functional team coordination directly.

Mechanical Engineering

Freins Metal Pvt Ltd
Chennai

Jun 2017 - Jul 2017

Made a complete study about the plant, the equipment's used, the working procedures, inspection method, material composition, layout, flow process charts, outline process charts, several mistake proofing techniques, CNC coding.

Mechanical Engineering

Noble Tech Industries Pvt Ltd
Kancheepuram

May 2017 - Jun 2017

Made a complete study on Ore extraction, Material composition, Steel melting procedure, Continuous Casting process, Rolling Mill, Inspection method, Water recycling unit, Plant layout, Thermal power generation, and calculated lead time, cycle time

POSITIONS OF RESPONSIBILITY

- Joint Secretary of National Service Scheme - Unit 7 in CEG, Anna University
- Industrial Relation Core of CEG Tech Forum (CTF), Anna University
- Core member of a Mega event Startup Pitchfest in collaboration with Entrepreneurship Development Institute of India (EDII).
- Organiser of a Mega event Startup Street under Enantra - South India's biggest Entrepreneurship Festival conducted by E-cell Entrepreneurship Cell of CEG, Anna University.
- Organiser of Flagship event - Robowars conducted by Kurukshetra 18
- Coordinator of Robotic event - All Terrain Vehicle Bot conducted by Indcon 18 - An Intra-departmental Symposium
- Comparer of International Conference on Advances in Industrial Engineering Application (ICAIEA 2018)
- Course committee member of Department of Industrial Engineering, College of Engineering Guindy, Anna University
- Student Ambassador (Golden Level) of Kurukshetra 18 - CEG, Anna University.
- Student Ambassador of Internshala through Internshala Student Partner 9.0
- Student Ambassador of EXIMIUS - IIM Bangalore.

TRAININGS

Automobile

College of Engineering Guindy

Sep 2017 - Sep 2017

Training on the automobile parts and their use, working of Internal Combustion Engine and complete hands on experience on dismantling and assembly of Ford Engine.

Electronics

College of Engineering Guindy

Sep 2017 - Sep 2017

Automation on Programmable Logical Circuit.

Automobile

T V S (Chennai)

Jun 2017 - Jun 2017

Training on the Two wheel automobile parts and their use, working of Internal Combustion Engine of two wheel automobile and complete hands on experience on dismantling and assembly of Royal Enfield Bullet350cc.

PROJECTS

Application of Artificial Neural Network (ANN) for workplace assessment in sheet formation industry.

College of Engineering, Guindy (CEG),

Nov 2019 – March 2020

The aim of this study is to develop a model for ergonomic workplace assessment in an industry using Artificial Neural Network (ANN) to determine the impact of various factors, under consideration, on the work capacity of the operators and to classify the workplace, under consideration, as 'good' or 'fair' or 'poor'.

IOT based automation for the DOIE with smart classroom integration

College of Engineering, Guindy (CEG),

Jul 2019 – Nov 2019

The project presents a low cost and flexible classroom control and monitoring system using a Raspberry PI module and a Static Relay, without internet connectivity for accessing and controlling devices and appliances remotely using Smartphone android application.

Heuristics approaches for solving hybrid flowshops with setup times

University of Duisburg, Germany,

May 2019 - Jul 2019

Analysis and survey of approaches for hybrid flow shops. Overview of solving approaches and heuristics for the explained optimization problems. Comparison and evaluation of the presented approaches.

Comparison between BS III and BS IV Emission Norms

Ashok Leyland,

Jun 2018 - Jul 2018

To analyse and compare the parameters set by BS III and BS IV and the technique adopted by Ashok Leyland to meet the Emission Norms.

Simulation based planning for the usage of bicycles to reduce carbon footprint of Anna University.

College of Engineering, Guindy (CEG),
May 2018 - Jun 2018

To determine the number of cycles, the dock location required for smooth traveling within the campus based on frequency and time interval of travel between places thereby reduce the usage of motor vehicles thus reducing carbon footprint.

ATV - All Terrain Vehicle Bot

College of Engineering, Guindy (CEG),
Apr 2017 - May 2017

Bluetooth module all terrain car, controlled through android phone, used for mobility through rough terrain.

SKILLS

C, C++
Python
Microsoft Office
Data Science
CPLEX
Pro-E
ARENA
LINDO
MINITAB

AREA OF INTEREST

Operation Research
Supply Chain Management
Project Management
Quality Control and Assurance
Data Science Analysis and Visualization

CERTIFICATION

IBM SPSS Modeler
IBM Data Science Professional Certificate
IBM Applied Data Science Specialist
IBM Data Science Foundations Specialist
IBM Machine Learning with Python
Six Sigma Green Belt by University System of Georgia

PUBLICATION

Jayaprakash, V. and Aadhitya, J. (2018) "Emission Analysis of a DI Diesel Engine Fueled with Biodiesel from waste Tallow", *International Journal of Mechanical and Production Engineering Research Development (IJMPERD)*, Vol 8, Issue 2.

ACHIEVEMENTS

- Secured First place in Gesture controlled Robotics competition held in College of Engineering Guindy, Anna University.
 - Secured third place in Line tracer robotics competition in Intra-College Fest – Vyuha held at College of Engineering Guindy, Anna University.
 - Secured First place in Marketing Mania organised by Department of Computer Science Engineering, College of Engineering Guindy, Anna University.
 - Secured First place in 'How will you sell' it organised by Department of Industrial Engineering, College of Engineering Guindy, Anna University.
 - Successfully completed my C-Certificate Exam under National Cadet Corps (NCC) – Airwing
 - Secured Golden Jubilee Endowment II award for Maximum Aggregate marks in III and IV Semester of B.E II year Industrial Engineering
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PERSONAL PROFILE

Name	: Aadhitya Jayaprakash
Permanent Address	: S 1, Santa Lakshmi Flats, 17 / 13, Muthukumarappa Street, Annai Anjugam Nagar, GKM Colony, Chennai – 600082
Phone No	: +91 9597610555
Date of Birth	: 13 Jan 1999
Languages Known	: Tamil, English and Hindi

DECLARATION

I hereby state that the above information is perfect to the best of my knowledge and I will work hard to achieve more.