

## CATHERINE C JEJO

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### Objective

To work in globally competitive environment on challenging assignments that shall yield the twin benefits of the job satisfaction and a steady-pace professional growth.

### Education

#### Jyothi Engineering College ( APJ ABDUL KALAM KTU )

2020

BTECH, Electronics and Communication

CGPA - 8.34

#### Miranda Composite PU College

2016

State

Percentage - 75.83%

#### Oxford English High School

2014

State

Percentage - 90.88%

### Programming Languages

C programming

Java

OOP

### Basic Knowledge

Arduino

Microprocessor (8085)

Microcontroller (8051)

### Working Platforms

Windows - 7, 10

Linux

### Experience

### Arkive Technological Solutions, Calicut

12/07/2017 - 22/07/2017

Intern

Industrial visit at Arkive Technological Solutions, Calicut (2017) gaining knowledge on branding, web applications, online portals, hosting etc.

### Schneider Electric, Bangalore

02/07/2018 - 09/07/2018

Intern

Internship at Schneider Electric, Bangalore (2018).

Area of internship – Manufacturing, gained knowledge on “Product SE1” which focuses on energy management and automation.

### Delta Electronics, Bangalore

15/07/2019 - 19/07/2019

Intern

Internship at Delta Electronics, Bangalore (2019) gaining knowledge regarding energy and power management.

### Chuan Shun Electric, Bangalore

05/07/2019 - 10/07/2019

Intern

Internship at Chuan Shun Electric, Bangalore (2018) gained knowledge on manufacturing of auto transformers.

### JVS Electronics, Bangalore

01/03/2019 - 01/03/2019

Industrial Visit

Industrial visit at JVS Electronics, Bangalore (2019) attended a Industrial Training Program and gained knowledge on manufacture of relays, control panel accessories and other control equipments.



### Projects

#### AlGaIn/GaN HEMT for High Power Applications

Designed a (HEMT) High electron mobility transistor using Silvaco TCAD that can be used for high power applications by improving the breakdown voltage (Fourth Year Project, 2020).

Role: Team Leader (3 members)

✓ An overview on GaN-based HEMTs physical based device simulation using Silvaco-“ATLAS” TCAD. This simulation was utilized to analyze and understand various factors that are essential for HEMT to be applicable in high power applications.

✓ Different graphs such as breakdown voltage, drain current etc were also analyzed.

✓ Designed a HEMT with a breakdown voltage of 800V.



## Flood Warning System

Flood warning system using a specially designed detector for flow and level detection. (Third Year Project, 2018).

Role: Team Leader (3 members)

✓ Made a technical and physiological study on the causes of a flood and the prevailing methods of flood detection.

✓ Designed the detector for flow and level detection.



## Skills



Communication Skills



Leadership skills



Presentation skills



Interpersonal skills



Written and Verbal skills



## Achievements & Awards



Obtained BEC (Business English Certificate, 2016).



Participated in swatch bharath internship programme in Kerala (2018).



Participated in the flood relief activities, Kerala (2018).



Won accolades in various school house quizzes.



Won medals in sports.



## Language



Read, Write, Speak - English



Read, Write, Speak - Hindi



Read, Write, Speak - Kannada



Speak - Malayalam (Native Language)



Speak - Tamil



## Personal Details



Date of Birth : 27/04/1998



Marital Status : Single



Nationality : Indian



Gender : Female



Hobbies : Reading books, Sketching, Story Writing