



# Megha Pradeep Kumar

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## WORK EXPERIENCE

01/08/2022 – 29/02/2024 Trivandrum, India

**QUALITY ENGINEER UNICORP ASSOCIATES**

- Process Analysis
- Process Engineering
- Process Documentation
- Quality Leadership
- Continuous Improvement

**Address** Predeeptham, RRA G-21 , Near Abhaya Rishimangalam Vanchiyoor PO, 695035, Trivandrum, India |

**Website** [www.unicorpindia.com](http://www.unicorpindia.com)

## EDUCATION AND TRAINING

27/07/2018 – 30/01/2023 Trivandrum, India

**BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION ENGINEERING** Lourdes Matha College of Science and Technology

**Address** Lourdes Matha College of Science & Technology , Lourdes Hills, Kuttichal P.O, 695574, Trivandrum, India |

**Website** <https://lmcst.ac.in> | **Field of study** Electronics and Communication Engineering | **Final grade** CGPA:7.77

31/05/2017 – 26/05/2018 Trivandrum, India

**HIGHER SECONDARY EDUCATION,CENTRAL BOARD OF SECONDARY EDUCATION** Chinmaya Vidyalaya Naruvamoodu

**Address** Chinmaya Vidyalaya, Vellappally, Naruvamood, 695528, Trivandrum, India |

**Website** <https://nmd.chintvm.edu.in> | **Final grade** 65%

01/06/2015 – 28/05/2018 Trivandrum, India

**SECONDARY SCHOOL LEAVING CERTIFICATE , CENTRAL BOARD OF SECONDARY EDUCATION** Chinmaya Vidyalaya Naruvamoodu

**Address** Chinmaya Vidyalaya, Vellappally, Naruvamood, 695528, Trivandrum, India |

**Website** <https://nmd.chintvm.edu.in> | **Final grade** CGPA:9.8

## LANGUAGE SKILLS

Mother tongue(s): **MALAYALAM**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● DIGITAL SKILLS

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Digital Marketing, | Microsoft Office

## ● ADDITIONAL INFORMATION

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### PROJECTS

20/08/2021 – 06/06/2022

#### Voice Controlled Automatic Braking System

- Focused on the technology of speech recognition through conversion of speech into text.
- Analysis and implementation to help the people who are handicapped and cannot drive their own vehicle. Thereby in future, they drive their own vehicle with a greater safety from sudden hit-and-run cases due to automatic braking or slow down feature.
- Ultrasonic sensors interfaced with the Arduino help in automatic slowdown or braking of a vehicle on sudden obstacle detection, and after a delay, it will help in the avoidance of the obstacle.

10/08/2020 – 07/02/2021

#### Face Mask Recognition and Temperature Analysis

- Face mask recognition and temperature analysis is implemented as a means to reduce the spread of covid-19 virus.
- Face recognition technology is used outside the office building to determine whether or not a person is wearing a mask. The individual will be sent to a temperature sensor if it is determined that they are wearing a mask. He won't be allowed entry if not.
- A temperature limit is set for the individual wearing the mask during temperature analysis using a temperature sensor. A person is either allowed in if their body temperature is below that threshold or not.

### SEMINAR PAPERS

03/01/2022 – 28/06/2022

#### Plasma Antenna

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- Plasma is by far the most common form of matter. Plasma in the stars and in the tenuous space between them makes up over 99% of the visible universe and perhaps most of that which is not visible.
- Plasma antenna technology offers the possibility of building completely novel antenna arrays, as well as radiation pattern control and lobe steering mechanisms that have not been possible before.

14/01/2019 – 19/04/2019

#### Automated Farming System

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- Automation in agriculture is a technology to improve aspects of farming such as better yield, safety, and profit.
- It keeps us notified when to irrigate, when the soil loses any specific nutrients, when is the time to harvest, and many more.

### WORKSHOP ATTENDED

#### Workshop on Plotters

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Familiarized with the principles, applications, and practical usage of plotters in various industries.

#### Workshop on Pattern Recognition

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Familiarized the concepts, techniques, and applications of pattern recognition in various domains.