Dattakumar Gajanan Malkhede

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CAREER OBJECTIVE:

Accepting a challenging career with full of zeal in a firm, where the industry provides an exposure to learn alongside let me contribute my skill for mutual success and satisfaction.

ACADEMIC QUALIFICATION:

Program	University/Board	Year of Passing	Percentage/ CGPA
M. Tech (Pursuing) Embedded Systems	Vellore Institute of Technology, Vellore	2022	8.84 (1st Semester)
BE (E.T.C)	Mumbai University	2019	6.75(CGPA)
H.S.C(12TH)	Maharashtra State Board	2014	75.23%
S.S.C(10TH)	Maharashtra State Board	2012	86.60%

TECHNICAL SKILLS:

- **Programming**: C, Embedded C, Microcontroller 8051 assembly programming, Python (Learning), VHDL Programming (Learning)
- **Design Software Tools:** Keil uVision 5,Visual Studio , Xilinx Vivado , PyCharm IDE, MATLAB

PERSONAL SKILLS:

- Effective communication and interpersonal skills
- Team oriented personality

ACADEMIC PROJECTS:

Postgraduate level:

- **Project Title:** COVID-19: Faskmask Detection Using YOLO (Fall-2020)
  Description: This proposed model was developed in order to ensure that the government guidelines are followed effectively, a software models using Yolov3 and Yolov4 algorithm was implemented which detects the people wearing mask, an mAP of 87.48% and 93.30% for Yolov3 and Yolov4 was achieved respectively.

- **Project Title:** Vehicle Monitoring Using CAN Protocol (Fall-2020)
  Description: The aim of the project was to develop and implement fast and reliable vehicle monitoring system to improve the driver-vehicle interface using STM32 (ARM Cortex-M3) microcontroller, one controller node acquires the data from sensors and sends the data to another node over CAN communication.

- **Project Title:** ADAS **:** Lane Departure Warning and Blind Spot Detection Using Raspberry Pi (Winter-2021)
  Description: The aim of this project is to develop the lane departure warning system helps the driver stay in the lane and blind spot detection helps to maintain and overview and warns of other vehicles when changing lanes with the help of ultrasonic sensors.

Undergraduate level:

- **Project Title:** A Methodology For Secure Content Transmission Using Video Cryptography (Fall-2018)
  Description: This proposed system was developed to prevent the confidential messages from the reach of hackers. The encryption of data to be transmitted is done using RSA cryptographic algorithm.

INTERNSHIP:

- Organization: **Bharat Electronics Limited**, Navi Mumbai (Jun '17-July 17)
- Hands-on experience on many ventures like Electrical connectors, RF and microwave connectors, etc.
- Understanding the concepts of bare shelter and EMI/EMC testing.

PUBLICATION:

- Published paper in Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6, Issue 5, 2019, ISSN 2395-5162 on topic of "A Methodology For Secure Content Transmission Using Video Cryptography".

CONFERENCE:

- Participated in 2nd International Conference on Microelectronic Devices, Circuits and Systems (ICMDCS2021), organized by the Department of Micro &Nanoelectronics, School of Electronics Engineering (SENSE), VIT University, Vellore.
- Participated in XhibiTech 2019 "**A National Level Project Exhibition And Competation**" in associationwith REIN LABS.

ACADEMIC EXTRA-CURRICULAR ACTIVITIES:

- Participated in Technical Paper Presentation during "SPECTRUM", College Event.
- Organized Freshers Event for college.
- Creative Team Member, IETE Student Forum (ISF) Core Committee for year 2016-2018.

HOBBIES AND INTERESTS:

- Playing indoor and outdoor games, Organizing cultural events and competitions, Free Sketching,Travelling and Exploring new culture, Blockchain enthusiast.

PERSONAL DETAILS:

Name	**:** Dattakumar Gajanan Malkhede
Father Name	**:** Gajanan Nagorao Malkhede
Date of Birth	**:** 06-12-1995
Nationality	**:** Indian.
Languages	**:** English, Hindi, Marathi.
Passport Status	**:** Yes

LINKS:

Github: https://github.com/dattakumar06
Linkedin: www.linkedin.com/in/dattakumarmalkhede