Tarak Gopani

Student, Learner - B.tech (ICT) Marwadi University, Rajkot.

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SUMMARY:

As a student of B.tech in the field of Information and Communication Technology at Marwadi University, I worked on so many projects and also currently working on one start-up based funded project. Passionate to learn anytime anywhere and also enthusiastic to do research in any field. More interested to learn and explore new technologies.

EDUCATION

Degree	University/Institute	Year	SPI/Percentage
B.Tech (ICT)(Sem -5)	Marwadi University, Rajkot	2020	7.45
B.Tech (ICT)(Sem -4)	Marwadi University, Rajkot	2019	6.60
B.Tech (ICT)(Sem -3)	Marwadi University, Rajkot	2018	6.96
B.Tech (ICT)(Sem -2)	Marwadi University, Rajkot	2018	7.78
B.Tech (ICT)(Sem -1)	Marwadi University, Rajkot	2017	7.86
H.S.C (GSHSEB)	Mauni International School, Surat	2015-2017	72.30%
S.S.C (GSEB)	Brilliant High School, Surat	2014-2015	74.50%

TECHNICAL SKILLS

Area of Interest	Embedded System, Internet of things, Artificial intelligence, VLSI, ML.
Programming Languages	C, Java, Python, HTML, PHP(basics), R (Basics), Verilog.
EDA Tools	Eclipse, R Studio, Arduino IDE, MATLAB, MULTISIM 14.0, QUARTUS, Scratch tool, AutoCAD 36, Xilinx ISE, Microwind, LTSpice.

INTERNSHIP

1. **Macintel Private limited - Ahmedabad, Gujarat.**   **Duration :** 15 Days

I have attended 15 days internship in this company and explored Home Automation using Google assistance as a part of my project on the same. There, I have upgraded my project at some good level.

2. Crear Electronics Private Limited - Ahmedabad, Gujarat.   **Duration :** 1.5 Months

I have worked as an intern at crear electronics private limited located in Ahmedabad, India for 6 weeks. I have worked on several projects there like face recognition, portable mobile keypad for blind person, YOLO objects detection etc.

PROJECT WORKS

1. **Home Automation using Google Assistant**
   Mentor: Prof. Ravi Butani, Asst. Professor, MU   Team Size: 3
   [**Description:** Voice Assisted control for all the appliances in the house. Project completed using ESP8266 and MQTT. Featured app that gives the notification of the status of the system with the appliances.]

2. **Smart Car for Driver Drowsiness and Safe Distance Alarming System (SWDAS)**
   Mentor: Prof. C. D. Parmar, MU   Prof**.** Nishith Kotak, MU   Team Size: 5
   [**Description:** In this Project, We have consider to parameter Drowsiness and safe distance. For that we generate the alert by buzzer when People will Drowsy and we cross the safe distance and we consider the general formula of safe distance using MYOSA kit and Raspberry PI. Project demonstrated at the event organized by IEEE MYOSA team at Delhi, India.]

3. **Mobile restriction in running vehicle**
   Mentor: Prof. C. D. Parmar, MU   Prof**.** Nishith Kotak, MU   Team Size: 8
   [**Description:** Our proposed system will be attached in the vehicle and it will detect that whether the car is in motion and if so it will block the network. All calls and messages are diverted to the systems GSM. A notification will be displayed on the screen for the user.]

4. **Departmental Online Portal**
   Mentor: Prof. C. D. Parmar, MU   Prof**.** Kunal Vasani, MU   Team Size: 5
   [**Description:** Developing an online portal for a particular department ICT. By which students, parents, faculty, and industry mentors can login and access an information. Students and parents can track their academic activities.]

5. **Smart Classroom**
   Mentor: Prof. C. D. Parmar, MU   Team Size: 4
   [**Description:** In the generation of smartness, our vision is to make a smart classroom to improve the quality of learning. It can improve the active learning process and students can easily find the actual learning outcomes. There are so many modules like real time feedback system and clicker based fast assessment quiz, smart attendance system automation of appliances, etc.]

EXTRA-CURRICULAR PARTICIPATION

- Participated in Gujarat Hackathon at final level organized at Pandit Deendayal Petroleum University, Gandhinagar, Gujarat in 2018.
- Participated in MYOSA(Make Your Own Sensor Application) event organized by IEEE at Delhi in october, 2018.
- Attended two day workshop of AI and ML by "What After College | 360° Skill Upgradation Solutions" at Dhirubhai Ambani Institute of Information and Communication, Gandhinagar, Gujarat.
- Attended two day workshop of Risc-V architecture by SiFive company at Nirma University, Gandhinagar, Gujarat.
- Participate in Illuminati technical event organized by ITM university, Vadodara, Gujarat in 2018.
- Volunteer in the event of ASME E-fest organized at Marwadi University.
- Visited a MOBA mobile automation company for two days to explore the company products in january, 2018.

AWARDS AND ACHIEVEMENTS

- ✓ IEEE MYOSA(Make Your Own Sensor Application) contest Second Rank for SWDAS.
- ✓ ITM Illuminati Contest 3 Rank in project of Home Automation using Google Assistant.
- ✓ Received Funding for the Smart Classroom Project from IEDC.