

# PRAJWAL DIWAKAR

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## SUMMARY

As an Electronics and Communication Engineering student, I bring a strong passion for growth and a desire to contribute to a dynamic organization. With a focus on utilizing my skills and attention to detail, I aim to drive progress and make a valuable impact.

## EDUCATION

<b>Bachelor's of Engineering – Electronics and Communication Engineering</b>	2018-2022
Mangalore Institute of Technology & Engineering	CGPA: 8.31
<b>Senior Secondary (12th)</b>	2017-2018
Pompei PU College, Talipady, Kinnigoli	Percentage: 84.67%
<b>Secondary School (SSLC)</b>	2015-2016
Rotary English Medium High School, Kinnigoli	Percentage: 81.92%

## SKILLS

**Languages** : C, C++, JavaScript.

**Interface** : HTML, CSS

**Tools** : Microsoft Office, Multisim, Matlab, GNU Octave, Arduino IDE, Visual Studio Code.

## INTERNSHIP

**DLithe | Internet of Things**

**April 2022-May 2022**

Tool used: Arduino IDE

- In this Internship I learnt and worked on various microcontrollers, sensors, actuators with real time web server developments activities using C, C++ programming. Exposure on various communication protocols TWI, SPI, UART was provided.
- This experience enhanced my understanding of IoT technologies and their application in solving real world problems.
- I have been in the effective communication which is used for active listening, understanding instructions, and asking clarifying questions when necessary

## PROJECTS

**Recognition and Extraction of Required signal of Interest in an Audio signal | Group of 4**

**July 2022**

Tool Used: Matlab

- This project includes the receiving of different independent source audio signals followed by mixing of those independent source signals to provide the dependent audio signals as output.
- Matlab, a popular programming and analysis tool, was used for signal processing and analysis tasks.
- The project involved implementing algorithms and techniques to identify and extract the desired signal from the mixed audio signals.
- The project was a team effort, with a group of four individuals working together to achieve the project objectives

## **IOT based Patient Health Monitoring System | Group of 4**

**August 2021**

- This project is design for the health monitoring which allows Patients can be monitored without having a need to visit the doctor. An IOT based patient health monitoring system was developed. The system monitored body temperature, pulse rate and temperature using sensors which are also displayed on an LCD. These sensor values are then sent to a medical server using wireless communication. These data are then received in an authorized personal Smartphone with IOT platform. With the values received from the doctor then diagnose the disease and health status of patient.
- This project allowed for practical application of skills and knowledge in fields such as signal processing, IoT technology, and health care monitoring.
- The project also involved collaborative teamwork, which provided an opportunity to work effectively in a group setting.
- The project helped in presenting project findings, discussing methodologies, and explaining the outcomes to team members. Presenting complex technical information in a clear and concise manner showcases my ability to effectively communicate technical concepts to various audiences.

## **COURSES & WORKSHOPS**

- HTML, CSS and JavaScript for the web development, Johns Hopkins University, Coursera 2023
- Introduction to Relational Database and SQL, Coursera 2022
- AWS S3 Basics, Coursera 2022
- Introduction to programming with MATLAB, Vanderbilt University, Coursera 2020.
- Step into Robotic Process Automation, GUVI's RPASKILL-A-THON 2020.
- RPA Starter Training, UI Path Academy in 2019.
- Diploma in Computer Application, Manipal Computer Training Centre, Kinnigoli, Mangalore, 2018

## **ACHIEVEMENTS & ACTIVITIES**

- Participated in the online awareness campaign on "Drug free, Tobacco Free and Split free India" conducted by NSS Mite.
- Certificate of Appreciation passing online Quiz "Brain Teaser" conducted by National Institute of Engineering, Mysore.
- Certificate of Appreciation for having voluntarily donating blood, conducted by Indian Red Cross Society, Dhakshina Kannada, December 2021.
- Certificate of Runners up in General quiz during Incridea 2022 at NMAM Institute of Technology, Nitte

  
Signature