

ABIN BABU

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EXPERIENCE

Student Intern - KELTRON

Microcontrollers and PCB Design

📅 July 2018

📍 Palai, India

- Introduction to Microcontrollers, Arduino and Arduino IDE / Basic Arduino Programming and Interfacing of IO Devices and Sensors / UART Communication
- Working with team on design, development and integration of PCB configurations
- Proteus circuit simulation and troubleshooting

ACHIEVEMENTS

- Google IT Support Professional Certification

TECHNICAL SKILLS

- Adobe Creative Suite (Photoshop, Illustrator, XD, Premiere PRO), MS Office, MS Powerpoint, Proteus, Arduino
- C, Python(Beginner), HTML5, CSS3, Bootstrap, SASS, Javascript, React, MySQL
- Wordpress, Drupal CMS
- Linux, Microsoft Windows

PERSONAL SKILLS

- Excellent Presentation Skills.
- Ability to work under pressure.
- Comfortable Working Independently.
- Ability to take initiative to solve problems.
- Good Communication Skills
- Conversation Starter

HOBBIES

- Listening to Music.
- Reading Books.
- Exploring Places.

EDUCATION

B.Tech. (AEI) - 7.0 CGPA

APJ Abdul Kalam Technological University - St. Joseph's College of Engineering & Technology, Palai

📅 2016 - 2020

Higher Secondary - 70%

Kerala Higher Secondary Examination Board - St. Michael's Higher Secondary School, Kaduthuruthy

📅 2014 - 2016

Secondary - 88.7%

SSLC - St. George English Medium Higher Secondary School, Thalayolaparambu

📅 2014

PROJECTS

Automatic Transfer Switch (ATS)

- Automatic Transfer Switch is used to transfer the load among several power sources to ensure continuous operation of load. It is required in developing countries where frequent power failure is an intense issue. Industries, public and private sector organizations and even domestic users cannot tolerate power outage because it pushes them to lose business, interrupt in normal official work, hindrance in routine and domestic life. Transfer switch is mostly using for computers and servers where continues power is necessary.

Bird Animal Detector and Repellent system using ATmega328P (BADRA)

- Bird animal detector and repellent system is an electromagnetic sensing system that gives safety and security to human life by preventing unwanted interference of birds and animals in human habitat. Agricultural sector and maintenance of building infrastructure suffers great threat thanks to animal attack, this is often controlled and rectified by a repelling system incorporating a PIR sensor, ATmega328P and a frequency generator. Sound is a crucial component that's utilized in communication, hence every sound or call in animals or citizenry has certain significance so this same hearing range are often wont to chase away animals and birds by emitting an ultrasonic sound which is disturbing to them. Animals like dogs, rats and most of the birds are often driven away by this technique.

LED CUBE (4x4)

- Made many patterns using 4x4 cube and displayed for college technical fest ASTHRA 2K17 at SJ CET, Palai.