JAYDEEP SINGH

Jaypee University of Engineering and Technology

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EXPERIENCE

Research Intern - IIT Indore

Biomedical Signal Processing

June 2019 – July 2019 Indore,India

- Research and development of Biomedical Signal Processing in collaboration with IIT Indore.
- Working with team on design, development and integration of signal processing.
- Experience with performance analysis, optimizations and benchmark evaluations.

Machine Learning

Coursera

Oct 2018 - Jan 2019 Online

- Supervised Learning, worked on SL to train model to recognize the pattern in given data with more efficiently
- Worked on support vector machines (SVMs, also support vector networks) which is supervised learning models with associated learning algorithms that analyze data used for classification and regression analysis.

ACHIEVEMENTS

- District level football player at Rewa under 16 age group.
- Scored 2 nd position in inter-school Badminton Championship.
- Manager at IETE Students Forum (ISF),Jaypee University of Engineering & Technology,Guna,(M.P.).

TECHNICAL SKILLS

- MATLAB, Xilinx ISE 12.1, MS Office, Proteus, Arduino
- C,C++,Java,Python(Beginner)

PERSONAL SKILLS

- Having Leadership Qualities.
- Ability to work under pressure.
- Comfortable Working Independently.
- Ability to take initiative to solve problems.

HOBBIES

- Playing badminton and video games.
- Listening to Music.
- Exploring Places.

EDUCATION

B.Tech. (ECE) - 9.0 CGPA

Jaypee University of Engineering & Technology

July 2016 – Currently

Higher Secondary - 71%

Central Board of Secondary Education

2016

Secondary - 7.8 CGPA

Central Board of Secondary Education

2014

PROJECTS

Acoustic Echo Cancellation(AEC)

- In hands-free communication, coupling between microphone and loudspeaker produces acoustic echo which needs to be cancelled, so AEC provides one of the best solutions to the control of acoustic echoes generated by hands-free audio terminals.

Object and Edge Avoider

- I have made a bot which avoids edges so that it couldn't be fallen down from height, edge is sensed by IR sensors and the objects are sensed by using an Ultrasonic sensor and a servo motor to control the direction of Ultrasonic sensor.

Smart Street light

- I have made it using Arduino Nano and IR sensors. basic idea of this project was that, initially when no vehicle present street light gets dim and when a vehicle comes in front of 1st street light the next two goes bright (PWM was used).

Home Automation

- Project consists of 2 NodeMCU, 1 Amazon alexa dot and a Blynk app and programming. It works on both voice recognition as well as IOT using Blynk app.

LED CUBE (4x4)

- I have made many patterns using this cube.

Blutooth Controlled Bot

- It consists of Arduino Uno, Bluetooth Module HC-05. I have made this for my college fest DEXTRA 2K18 at JUET,GUNA.