Shubham Jain

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Objective	To secure a position in this organization where I can enhance my technical skills and contribute to the growth of this organization.

Education

Master of Technology	**Bachelors of Engineering**
In Digital Communication,2016	in Electronics and Communication,2014
CGPA: 8.38	CGPA: 6.80
Maulana Azad National Institute of Technology, Bhopal (M.P)	University Institute of Technology-Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal (M.P)

AISSCE,2010 (12th, CBSE): 76.8% **|School :** Kendriya Vidyalaya No. 2, Bhopal

AISSE,2008 (10th,CBSE): 72 % **|School**: Kendriya Vidyalaya No. 2, Bhopal

Skills

Programming Languages:	Python, C/C++, MATLAB, HTML5, CSS3, JavaScript
Tools:	OpenCV, TensorFlow, Flask, Qt Creator, LabView, Unity3d, Altium Designer (PCB designing)
Preferred Fields:	Computer Vision/Image Processing, Deep Neural Networks , Embedded Systems

Experience

Capgemini Technology Services India Limited   July '16 to Present

POC on Object Classification (ADAS)   Aug '17 to Sep '17
- Multiple Object Classification using TensorFlow in Video
- Role : Developer

Resource Tracker Tool (Internal Project)   July '17 to Aug '17
- Tool for automating resource tracking process.
- Created using Python, Flask, HTML, CSS, JavaScript
- Role: Developer

Boon Edam Connector Dashboard   Oct '17 to May '17
- Dashboard Interface to manage several doors (say 150).
- Managing doors involves viewing the door lists, checking their status, capturing images using stereovision cameras, motor drive control, snoozing doors, global parameter setting, etc.
- Role : Tester (NodeJs, Selenium, MySQL)
- Responsibilities :
  - Writing Test Cases for all the features of Dashboard.
  - Creating database for different scenarios.
  - Performing tests and updating Test cases for new feature requests
  - Create Summary Reports for the tests Performed and Procedures

Training :   July '16 to Oct '16
- UI Development on Qt Creator, C++
- SDLC, STLC, Agile

Academic Projects

Unauthorised Vehicle Detection in Dedicated Lanes   Aug '15 to April '16
- Detects and classifies the moving object as Bus/Truck/Car/Two Wheeler/Pedestrian in the dedicated lanes for BRTS vehicles.
- Video captured from a stationary camera (day time).
- Implemented on MATLAB (using Computer Vision Toolbox).

Wireless Switch :
- A 2 port device which can instantly convert any AC appliance/switch into IR Remote controlled.
- Aim of this project was to develop a cost effective solution for modern needs which also reduces the waste of old appliances

Oct '15 to Feb '16

Internet of Things based security system:
- Notifies the user in case of intrusion through SMS, e-mail, Facebook post and tweet.
- Also activates the connected DVR/video camera and streams the video on the Internet.

Dec '14 to Feb '15

Nearby Vehicle Positioning System using V2V communication:
- Vehicle to vehicle communication through ZigBee protocol.
- Uses GPS to locate its own position.
- Displays relative location of nearby vehicles on a LCD installed in the car.
- Implemented and tested on 2 cars.

August '13 to Feb '14

Drowsiness detector:
- Through image processing it detects if the driver is drowsy.
- Implemented using Matlab and Arduino.

Jan '13 to April '13

Mini projects : Line follower Robot |Automatic Overhead tank filling system| Quiz Buzzer System| FM Transmitters

Training

Embedded Systems and PCB Designing from StarBru Technologies.

Aug '12

- Design and implementation of basic embedded systems
- Worked on technologies like Zigbee, GPS, Bluetooth, RF, IR, etc.
- Single Layer PCB designing basics.

Communication System in Indian Railways

June '13

- Studied the existing communication system of Indian Railways.
- Also studied Passenger Information system, which includes IVRS, Auto Announcement System, Coach Guidance System, and Master-Slave Clock.

Activities and Achievements

- Feb 2016, won First Prize in Bhopal Vigyan Mela-2016 (organised by MPCST) for making "Wireless Switch".
- Feb 2015, won Second Prize in Savishkar-2015, held at MANIT, for making "Internet of Things based Security System".
- Scored 99.2%ile in GATE 2014, ECE stream (total students: 216367).
- Mar 2013, participated in technical paper presentation competition (Topic: Preventing rural migration by employment generation) held under PEHAL 2013 at State Museum, Bhopal.
- Oct 2012, Won 1st prize in CIRCUITOUS (circuit designing competition) in Technosearch 2012, held at MANIT.
- Jan 2012, Quarterfinalists in Wild soccer (Robo Soccer, made 4 wireless robots) and Gearloose (Air Powered vehicle design competition)in Techkriti 2012 at IIT Kanpur.