Darshil Chanpura

Developer.Designer

Profile

Absorbing as much as knowledge one can towards some cross-platform technologies and use them as per the demand. Ready to learn new technologies and work upon them. Flexible to work upon hardware/firmware or software.

Technical (Software)

1. HTML/CSS
2. Javascript
3. Java
4. Python
5. OpenCV (on C++ and Python)
6. Matlab/Octave
7. Git Version Control
8. Linux

Technical (Hardware)

1. Raspberry Pi
2. Arduino
3. Micro-controllers

Experience

Cognizant Technology Solutions, Chennai *(October 2014 - present)*
Programmer Analyst Trainee
Training for better field level understanding of Core and Advanced Java. Worked upon a pseudo real-time project learning the importance of different documentation while developing a project.

Projects

Tweet Monitor
A side project as an hands-on on Raspberry Pi:
A Raspberry-Pi project using "Twython" Python Module which shows the recent tweets on a Character LCD connected to it querying the search tag or user.

Raspberry Pi Event Management System
A side project on Raspberry Pi for managing and marking attendance:
A Raspberry Pi project using Flask a micro-webframework and QR codes for attendance marking. The project consists of developing a front-end for administration and using just webcam and LED indicators for indicating if attendance is marked or not.

Raspberry Pi Music Server
A side project as an hands-on on Raspberry Pi:
This project was a Webapp for controlling local music player running on Raspberry Pi and can be controlled from a webpage on any device.

Eye Tracking based on OpenCV
Final year project carried out at IIT Gandhinagar:
This project has its requirement of OpenCV for detecting the eye pupil using a simple USB camera. The objective was to make an inexpensive eye tracker which is actually fulfilled by an USB camera and OpenCV (Open Source Libraries for Computer Vision)

Home Automation
A semester project:
A simple home automation (without IoT) using a TV remote control as a part of semester projects in college using 8051 microcontroller.

Academics

Bachelor of Engineering Degree *(June 2010 - July 2014)*
Electronics and Communication Engineering CPI: 7.98
Vishwakarma Government Engineering College, Ahmadabad

Extracurricular Activities

- Participated in a workshop on Ethical Hacking by at Nirma University - 2010
- Participated in Workshop on The Sixth Sense Botz using Arduino Kits in Footprints at MSU-Baroda - 2012.
- Participated in a two day meetup of KDE at DA-IICT – 2013
- Organized and Trained in Workshop on Image Processing at TechnoAspire'13 VGEC, Chandkheda.
- Participated in three day conference of KDE talks at DA-IICT – 2014.
- Served as a President of EC VGEC GATE Club, a non-profit student organization for GATE Coaching. Successfully led the club by managing lectures outside the college hours.

Contact Details

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