

GANESH SHINDE

Electronics & Software Engineer

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WORK EXPERIENCE

Software Engineer / 6 APRIL '15 - PRESENTLY

Audience (Knowles Company), Bangalore

Worked as a Audio Tools Developer for designing Tools to facilitate tuning and calibration for Audience Voice Processors and Algorithms.

Embedded Software Engineer / JUNE '13 - AUGUST '14

NT Engineers, Nashik, Maharashtra

Designed and developed CNC Sensors like Arc Voltage Controller and Capacitance Height Sensor and electrical Systems for CNC machines on like MACH3 and FANUC.

Research Engineer Intern / JUNE '12- JULY '12

Hindustan Petroleum Corporation Limited, Mumbai

Studied and Analysized Tank Farm Management systems in HPCL.

PROJECTS

AuVid (Audience Visual Design Tool)

Windows/Linux

AuVid is visual design tool to debug and tune audience algorithm and audience products (es804/Versant/es904/TRVM) it is developed using C++ and Lua.

AuCal

Windows

AuCal is Calibration tool to integrate Audience chip with ID. This tool reads some parameters from chip analyzes performance of voice algorithms and according to analysis sets some parameters in chip. Boost C++ and juice C++ library is used to develop this software.

I2C DRIVER FOR MPU 6050(accelerometer)

LINUX, BEGALEBONE BLACK

The project "Development of I2C Driver and Porting of Linux on Beagle Bone" is an attempt to learn procedures and commands for porting on Beagle bone, along with development of driver for MPU6050 which is the accelerometer sensor used in calculating tilt of the device.

CAPACITANCE TORCH HEIGHT CONTROLLER

ATMEGA 328PU

This project deals with control of oxy flame CNC cutting machine. Most critical part of CNC cutting machine is sensing height from material to be cut so this project detects capacitance and maintain height according to capacitance.

ARC VOLTAGE CONTROLLER

ATMEGA 2560

This projects major use in plasma CNC cutting machine. In this controlling high voltage from plasma cutting torch and maintain torch height from material to be cut was real challenge.

EDUCATION

Post Graduate Diploma In Embedded System

CDAC ACTS, knowledge park, Bangalore

75% / 2015

BE Electronics Engineering

Pune University, Pune, India

62% / 2013

Dip. Electronic & Telecom

MSBTE, Maharashtra Board, India

74% / 2010

SKILLS

Programming languages

C, C++, Python, Lua

Hardware tools

Arduino, Avr studio, keil, eclipse, and visual studio.

LEADERSHIP

Technical Facilitator

Organized and Managed events in college helped in building Interactive Installations and Electronic robo race.

ACHIEVEMENTS

C Programming Competition

Winner of programming competition Held at Intra college level in Met-Utsav.

Extempore Quiz Competition

Honoured for winning the contest for two consecutive years.

INTERESTS

DIY

Love to play around with tech and tools.

Writing

Cannot exist without writing poems.

Cooking

For my love with Indian spices.