

Bharath A

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Seeking job in a reputed company to contribute my best towards achieving the goals and vision of the company with my technical skills and innovative thinking.

EDUCATION	Course of study	Institute	Year	Percentage
	B.E , Electronics and Communication Engineering	College Of Engineering Guindy	July 2013 to January 2016	80%(Till 6th semester).
	Higher Secondary School Certificate Examination	GKD Matric Higher Secondary School,(TN)	2013	97%
	Matriculation School Leaving Examination	GKD Matric Higher Secondary School,(TN)	2011	95.6%

SKILLS & EFFICIENCY

Programming skills : C,C++,Java,VHDL

Softwares known : Android Studio, Matlab, Multisim, Modelsim, Flash, Maya.

Prototyping boards worked with : TM4C123G6PM,Arduino,8051,Atmega32,Altera DE2, 8085.

Area of interest : App development, Data Structures, Digital electronics, Microprocessors & Microcontrollers, Animation.

PROJECTS

Swish! : An eye controlled android app for paralyzed people for using smart phones.

Bus Track : An android app was made to track and monitor the live status of a bus, in addition to that estimated time of arrival of the bus at the user specified bus stop will be shown.

SOFTWARE

E-Voting Software using Visual Basic : A prototype of e-voting software was done for school elections during 8th grade using Visual Basic as front end and MS Access as back end and animations were integrated using Flash.

Anagram Solver : An android app was made to solve anagrams based on English dictionary.

Voice alert SMS app for Theft Protection System: Voice SMS theft alert app used in theft protection system product of Indus towers in their BTS towers.

Voice morpher: An android app was made similar to talking tom, and the principle behind it was learnt.Pure data was used in the backend to do the signal processing.

ToDo list app: A checklist app for android was done using SQLite DB as backend with google login feature.

FLAMES: A fun app for computing flames was done, and an easter egg was added ;)

HARDWARE

Simulation of 8-bit processor using VHDL : It is a small 8-bit microprocessor capable of performing three arithmetic operations and one load immediate operation. The whole setup was done using VHDL and simulated on ModelSim.

ATMEGA32 based Ping Pong game: Ping pong game was implemented using processing software and its pad controls were given using two joy sticks. The joy sticks were connected to the Atmega32 controller and each joystick has two buttons to move the pad up/down.

EXTRA-CURRICULAR

Student member Integrated Systems Lab: Member of this lab for an year where I had hands on experience on FPGA development boards and had implemented SOPC on the DE2 board. Started integrating TM4C123G6PM with the flash memory device.

Winner of All India level hackathon conducted by **Microsoft**, for Swish! app.

Won **first prize** for bus track in **Microsoft hackathon** and **third prize in NIT Pragyan**.

Won third prize in Puthiyathalaimurai quiz during 11th standard.

Won first prize for **designing voting software** for school elections in 8th standard.

Won first prize for making Mathemagic app using Flash in 9th standard.

Runner-up of Airtel tech quiz.

Won 7th place in TCS IT Wiz.

Won second prize in Matrimaze and Beginner's Bias event held during Vision.

RESPONSIBILITIES UNDERTAKEN

Vice president of ECEA for the academic year 2017.

Class representative for the 1st year and 6th semester.

Organised **Riddles Of the Sphinx** an international level online treasure hunt which had a massive response from 1200 users all over the world.

Organising Secretary Vision 2016.

Digital Marketing VP at **Quizzers Anonymous** and also have organized quite a few quizzes in general and business domain.

Member **Tech team, Kurukshetra 16**, my work involved in creating small modules for the main Kurukshetra 16 android app.

HOBBIES

App development, Badminton, Quizzing, Listening to AR Rahman songs, Food traveller.

**PERSONAL
INFORMATION**

Father :	Asokan S
Mother :	Kannammal A
Nationality :	Indian
DOB :	17th May 1995
Gender :	Male
Languages known :	English,Tamil,French
Permanent address :	11G, JV Nagar, PN Palayam, Coimbatore-641020.
Present address :	Room No. 49, VIIth block, CEG Hostels, Anna University, Chennai-600025.
