

RESUME

NAME : Sahith Vasireddy
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UG PROGRAM : B.E. (Electronics and Communication Engineering)

EDUCATION

Year	Course	Institution	Major	Aggregate
2009-2013 (pursuing)	B.E. Undergraduate Level	Manipal University	Electronics & Communication Engineering	CGPA: 7.45
2007-2009	XI & XII (BIE-AP) High School	DELTA Junior College, Hyderabad	Mathematics, Physics and Chemistry	87%
2007	X (SSC) High School	MILLENIUM TALENT HIGH SCHOOL, Madhira	Mathematics, English, Physical Sciences, Social Sciences and Computer Applications	87%

Relevant Courses Undertaken as an Undergraduate

Engineering Mathematics Applied linear algebra Basic Electronics Basic Electrical Technology Network Analysis Electronic Circuits Integrated Circuit Systems Linear & Digital Control Systems Power Electronics Signals & Systems Digital Signal Processing Analog & Digital Communication Spread spectrum communication Communication Systems Computer Networks Problem Solving Using Computers Advanced Object Oriented Programming	Electromagnetic Waves Antennas Microwave Devices & Components Logic Design Computer Organization & Architecture Microprocessors Microcontrollers & Embedded Systems Digital Design & VHDL VLSI Design ASIC design Digital Image Processing Wavelets Essentials of Management Environmental studies Communication skills in English	Laboratory Courses - Electronic Devices & Circuits Electronic Circuit Design Power Electronics Signals & Circuits Simulation Digital Signal Processing Analog Communication Advanced Communication Digital Electronics Microprocessors Microcontrollers VLSI Design Problem Solving Using Computers Object Oriented Programming
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Areas of Interest

- Computer Networks
- Microcontrollers and Embedded Systems
- VLSI Design
- Digital signal processing
- Problems solving using C/C++ ,Java

Skills

Software's

- Simulation software's like Orcad PSpice, Proteus, Keil UVision and MATLAB
- Worked on FPGAs of Xilinx Spartan-2 and Spartan-3 families with VHDL using the synthesis and simulation tool, Xilinx ISE

Programming Languages

- Intel 8051 Microcontroller and its assembly level programming
- The assembly level programming of Microprocessors 8085 & 8086
- Proficient at general programming languages such as C, C++, Java, Python
- Very High Speed Integrated Circuits Hardware Description Language (VHDL)

Operating Systems

- Microsoft Windows XP/Vista/7
- Mac OS X
- Linux

Language Proficiency

- English (US/UK), Hindi, Telugu

Work Experience

Worked as a intern for duration of four weeks in June 2011 at the X-RAY baggage and inspection system of the Electronics Corporation of India Limited (ECIL), Hyderabad. The training involved studying the various processes involved in manufacturing electronic equipment and testing the equipment. Also worked on basic design of PCB.

Projects

- Designed a **ROBO SUMO** under the supervision of Robo vision, for inter college TECH FEST-TECH TATVA-September-2009.
- Developed a working model of a **Temperature Level Sensor** using 741C OPAMP - November 2011
- Developed a prototype of a **Sound activated display** using LCD and 8051 microcontroller that can be used as a communication aid for deaf and dumb people - March 2012
- Designed an **Electronic Machine Voting** under the guidance of MR.RAGHU PRASHANTH at MIT, Manipal.
- Implemented an algorithm for finding number of teeth for a Gear wheel in an image using MATLAB as part of the course digital image processing - October 2012
- Presently working on a project in Networking as a part of final semester BE thesis - December 2012 - Present.
- Project on **low voltage band gap reference in analog design** under DR.PAVANKUMAR, professor in ECE department.
- Microchip certified '**PIC 16 Microcontroller**': Completed training on PIC16F77A
- Design of a **TAB for visually impaired people** to make E-books available to them, under the guidance of Dr.Somashekar Bhat from past six month

Seminars

- Presented a seminar on the growing threat of **Electronic Waste and its disposal as part of a series of environmental awareness** seminars at Manipal Institute of Technology, Manipal
- Presented a seminar on **Hybrid Vehicles** as a part of a series of technical seminars at Manipal Institute of Technology, Manipal
- As a Secretary, **Institute of Engineers -E&C (IE-E&C)** organized a National conference on **Cyber-physical Systems** as a part of **AVISHKAR -2011**, Manipal.

Extra-Curricular Activities

- Participated in **TECH-TATVA-2009** and **TECH-TATVA-2010**, annual technical festival of Manipal Institute of Technology, Manipal both as a volunteer and in various events
- Started an awareness initiative **“AWARENESS FOR JEE”**, “to help high school students in strengthening their basics in Maths, Physics and Chemistry.
- Held a post in a technical committee as a **Secretary, Institute of Engineers -E&C (IE-E&C)** student chapter Manipal.
- Organized free Medical Camps in Udupi District as a member of **Youth RedCross** and was part of various organization committees who had organized **Blood Donation Camps**.
- Organized many cultural events at **“JeevanSandhya”**, an old age home in khammam.

Achievements

- Won a second prize in an Inter-School competition **“Best out of Waste”**. (Make the best thing u can make of waste) in the year 2004.
- District First place in **“CHEKUMUKHI TALENT TEST”** in the year 2006.
- Held the position of School Head boy and Cricket Team Captain in High school and represented school in many Inter school events.
- Consolation in **Australia Chemistry Quiz Olympiad** in the year 2008, held at Delta Junior College, Hyderabad
- Won the second prize in **Amazing Tech Race** organized by IEEE as a part of IEEE tech weekend.
- Received **Excellence award in Education** from my school in the years 2005, 2006, 2007.
- Won **Best Tennis Player Award -2011** in an Inter college sports fest held at **IIT CHENNAI** (Indian Institute of Technology, Chennai)

Interests & Hobbies

Interests:

Having a genuine interest in many Sports, I regularly follow Cricket, Badminton, and Chess.
As a technology enthusiast, I regularly follow various tech related blogs and magazines

Hobbies:

Reading science fiction and thriller novels, watching movies, drawing sketches, listening to music.