I.R.RAMYA   B.TECH

Branch   : COMPUTER SCIENCE

Gender   : FEMALE

Reg. No.   : 06CO48

Date Of Birth   : MAY-1-1989

Email- Id   : ir.ramya@gmail.com

Phone   : 080- 28516585

Mobile   : +919886536814   C.G.P.A. :   6.29

PRESENT ADDRESS	PERMANENT ADDRESS
#108, GIRLS HOSTEL, NITK SURATHKAL, SRINIVAS NAGAR- 575025.	C46/13, PHASE II, DRDO TOWNSHIP, CV RAMAN NAGAR, BANGALORE- 560093.

B.TECH   DETAILS

SEMESTER	YEAR	S.G.P.A	C.G.P.A
SEMESTER 1	DEC 2006	5.5	5.5
SEMESTER 2	MAY 2007	5.17	5.35
SEMESTER 3	DEC 2007	7.87	6.12
SEMESTER 4	MAY 2008	6	6.09
SEMESTER 5	DEC 2008	6.52	6.18
SEMESTER 6	MAY 2009	5.96	6.14
SEMESTER 7	DEC 2009	7.42	6.29

PRE DEGREE, 10+2th, 10th DETAILS

DISCIPLINE	INSTITUTION	UNIVERSITY /BOARD	YEAR	% MARKS
Xth	ASC PUBLIC SCHOOL	CBSE	2004	73.6
XIIth	ST. ANNE	KARNATAKA BOARD	2006	76.6
B.TECH	NITK	DEEMED	2010	

SUPPLEMENTARY INFORMATION

EXTRA CURRICULAR ACTIVITIES

Associate with eBiz.com Pvt Ltd (Network Marketing) for 2 yrs.
Rajyapuraskar Guide awardee in 2003.
Graduated Bharathnatyam junior exam with First class in 2003.
House captain in school.
Class Representative in PU.
Participated in the following activities in school: Running race, Kho Kho, Badminton, Throw Ball, Maths Quiz, General Quiz, Map Marking, Dumb Charads, Dance, Singing.

ABOUT MYSELF

Languages spoken- English (fluent), Tamil, Hindi, Kannada, Telugu

Technologies known- C, Win32 API, HTML, CSS, XML, XSLT, ASP.Net, JavaScript, Vb Script, PHP, SQL, Shell Programming, 8086 ALP, Matlab.

Qualities- Adaptable, Conscientious, Determined, Diligent, Energetic, Enthusiastic, Hard working, Have an Eye for Detail, Innovative, Inquisitive in Nature, Motivated, Persistent, Ready to Learn, Reliable, Research Oriented, Self-starter, Skillful, Team-player, Trustworthy.

Interests- Traveling, fixing day-to-day computer issues (mostly dealing with viruses), managing small networks, and fixing few hardware issues.

CO-CURRICULAR ACTIVITIES

1. Compiled a research paper on AmbiGraph- an Ambient Intelligence modeling system, published in the IEEE Explore and had been selected for presentation at the International Conference for Computer Engineering and Technology (ICCET 2009) at Singapore in Jan '09.
Abstract: In computing, ambient intelligence (AmI, refers to electronic environments that are sensitive and responsive to the presence of people. In an ambient intelligent world, devices work in concert to support people in carrying out their everyday life activities, tasks and rituals in easy, natural way using information and intelligence that is hidden in the network connecting these devices. The ambient intelligence paradigm builds upon ubiquitous computing and human-centric computer interaction design. In this paper, we introduce a notation, called AmbiGraphs, for specifying the work flow in any ambient intelligence system. An Ambigraph is elegant when it is designed to adapt to the wide range of users that work on it.

2. Video indexing using MATLAB, VC++ and MS Access in Aerial Image Exploitation Lab (AIEL), ADE, DRDO, Bangalore.
Tools used: MATLB, Simulink, VC++, MS Access, Oracle 10g.
Work done:
• Edge and Line detection using Sobel algorithm.
• Shot Detection using Sobel –on MATLAB and VC++.
• Pattern matching on grayscale and color, images and videos on MATLAB.
• Creating database on MS Access and linking it to MATLAB. Obtaining metadata.
• Inserting Large Objects into MS Access and retrieving them on MATLAB.
• Using GUI to obtain video and create key frames.
• Feature extraction:-
• Color clustering using Kmeans Algorithm.

CO-CURRICULAR ACTIVITIES

• Extracting Color feature descriptors of an image: Mean, Standard Deviation.
• Extraction of texture descriptors using Gabor filter, Gaussian filter, Euclidean Distance.

3. Designed an algorithm emulator as a part of Software Engineering Project.
Using Adobe Flex, the shortest path algorithms were emulated graphically. Prim's, Kruskal's and Dijkstra's algorithms were emulated.

4. Participated in the INTEL Science Talent Discovery Fair in 2003 at IIIT Hyderabad.
Project Title: Solar Powered Train
Abstract of work done: Modeled a train that works on solar power. The solar panel was mounted on its ceiling. It can also be kept in the solar reservoirs and energy can be extracted and transported to the train.

5. Developed and deployed a Medical Database as a part of Database System project.
Work done:
• Linking php to Oracle.
• Constructing a database on first aid, herbal treatment and common diseases.
• Retrieving this data on a browser.
• Logins were used to accept user feedback.

6. Developed a blocking software that can be deployed at the server to block undesired sites as a mini project.
It checks the requests sent to the proxy server and filters them based on the blacklist provided in a database. The administrator can configure the blacklist. This way, malicious sites can be blocked in organizations using a LAN.

7. Developing a wireless sensor network simulator that can simulate communication among wireless nodes as final project. (Ongoing)
A user can fix a base station and several sensor nodes. The simulator shows how these nodes communicate to the base station in a clustered hierarchy, using LEACH protocol for routing. For security in the network, re-keying mechanism is used to provide a new set of keys to the authentic nodes. This allows us to detect intruders and eliminate them.

REFERENCE 1 :

Prof. K. Chandra Sekaran
Computer Engineering Dept.
NITK Surathkal.
email: kch@nitk.ac.in

REFERENCE 2 :

Mrs. Neeta Trivedi
Aerial Image Exploitation Lab,
ADE, DRDO, Bangalore.
email: neetat@email.com