SYAMA R   B.TECH

Branch	: COMPUTER SCIENCE
Gender	: FEMALE
Reg. No.	: 06CO64
Date Of Birth	: JULY-23-1988
Email- Id	: syamar@gmail.com
Phone	: 0484 - 2330407
Mobile	: +919886316157

C.G.P.A. :   8.77

PRESENT ADDRESS	PERMANENT ADDRESS
ROOM NO:109 , GIRLS BLOCK-3 NITK HOSTELS , NITK SURATHKAL SRINIVASNAGAR (P.O) MANGALORE- 575025 , KARNATAKA	HOUSE NO:35/876 JANATHA ROAD NORTH, PALARIVATTOM (P.O) COCHIN- 682025 , KERALA STATE

B.TECH   DETAILS

SEMESTER	YEAR	S.G.P.A	C.G.P.A
SEMESTER 1	DEC 2006	8.86	8.86
SEMESTER 2	MAY 2007	9	8.92
SEMESTER 3	DEC 2007	8.83	8.89
SEMESTER 4	MAY 2008	8.93	8.9
SEMESTER 5	DEC 2008	8.64	8.85
SEMESTER 6	MAY 2009	8.36	8.77

PRE DEGREE, 10+2th, 10th DETAILS

DISCIPLINE	INSTITUTION	UNIVERSITY /BOARD	YEAR	% MARKS
Xth	BHAVAN'S ADARSHA VIDYALAYA KAKKANAD	CBSE	2004	94.2
XIIth	BHAVAN'S VIDYA MANDIR ELAMAKKARA	CBSE	2006	94.6

SUPPLEMENTARY INFORMATION

EXTRA CURRICULAR ACTIVITIES

Affiliations
Affiliations off campus : Member CSI (Computer Society of India), Member IEEE
Clubs and Associations - on campus : Artists Forum, SPICMACAY, Indian Society for Technical Education NITK chapter
Hobbies and Interests : Painting, Pencil Shading, Sketching, Watching TV, Reading Newspapers, Browsing

few of my achievements in painting are:
1. National Scholarship in painting – CCRT Scholarship

2. International Award in Painting- Hydrangea Award –Japan- Prize winning painting can be seen at
 http://homepage2.nifty.com/childart/file/e5w.html

3. IInd place- Silver Medal in International Painting Contest 2002-FAI Young
Artists Contest conducted by Federation of Aeronautique Internationale, Avenue Mon-
Repos 24, CH-1005 Lusanne, Switzerland. Painting can be seen at
http://www.fai.org/education/contests/artists/winners.asp?id=2002 . I was interviewed by
leading National Daily, "The Hindu", and it appeared in the Column called young
achievers. The article can be seen at
http://www.hinduonnet.com/thehindu/yw/2003/03/15/stories/2003031501000300.htm

4. In the Sydney Olympics –Visa Olympics of the Imagination Art Contest, at the national
level, I got IIIrd place.

ABOUT MYSELF

I am a very focused and hard working person. I dedicate myself fully to any task I take up and I
believe that is one my plus points. The one thing which i have learnt from my projects, internships
and club activities is that you can achieve anything if you put in your hundred percent.

CO-CURRICULAR ACTIVITIES

Projects:
1. Project title: IBM LOTUS LIVE CONNECTORS PLUG-IN (IBM summer internship project)
Objective: To build a connector plug-in for IBM Lotus Live
Description:
The Lotus Live Connectors plug-in is a Lotus Notes plug-in which basically aims at acting as an
interface between the notes user and the Lotus Live cloud. The plug-in has a sidebar tree viewer
which shows the user's files and collections in a tree structure. The plug-in also allows the user to
open, share and upload the currently open documents to the cloud.
Duration: 2 months
Team Size: 2
Technologies Used: JAVA, Apache Abdera (which implements Atom Publishing Protocol)
My role:
Design of the GUI as well as the Get Files, Open Files and Share collection part of the plug-in were
handled by me.

2. Project title: ONLINE BANKING SYSTEM
Objective: To create an online banking website this allows the account holders to utilise the bank
services online.
Description:
The system may be described as follows,Customer must have a valid User Id and password to
login to the system.After the valid user logs in he is shown the list of accounts he has with the

bank.On selecting the desired account he is taken to a page which shows the present balance in that particular account number User can request details of the last 'n' number of transactions he has performed.User can make a funds transfer to another account in the same bank.

User can transfer funds from his account to any other account with this bank. If the transaction is successful a notification should appear to the customer, in case it is unsuccessful, a proper message should be given to the customer as to why it failed.User can request for cheque book/change of address/stop payment of cheques

User can view his monthly as well as annual statements.

User can make online payments to utility companies like electricity board, mobile etc via his credit card.

The system offers wide variety of Loans Products to suit customer's requirements.Coupled with convenience of networked branches/ ATMs and facility of E-channels like Internet. The customer can select any of the loan products and provide the details online. The customer can also view the status of his loans.

Duration: 1 month

Team Size: 2

Technologies Used: PHP,CSS and ORACLE

My role:

Design of the template for the site as well as the user account and loan modules were handled by me.

3. Project title: BORROWED VIRTUAL TIME SCHEDULER

Objective: To simulate borrowed virtual time scheduler using gantt chart.

Description:

BVT Scheduler provides low-latency for real-time and interactive applications yet weighted sharing of the CPU across applications according to system policy, even with thread failure at the real-time level, all with a low-overhead implementation on multiprocessors as well as uniprocessors. It makes minimal demands on application developers, and can be used with a reservation or admission control module for hard real-time applications.

Given a set of jobs with arrival time, execution time and warp back create a gantt chart for the jobs, assign slots based on the BVT Scheduler algorithm and display the average waiting time and turnaround time. Also execute these jobs during their slot.

Duration: 1 week

Team Size: 1

Technologies Used: C

My role:

BVT is a relatively new scheduling algorithm. A fair amount of time was spent in understanding the concept after which coding became relatively simple. The whole coding was done by me.

4. Research paper on "AMBI GRAPH: MODELING AMBIENT INTELLIGENT SYSTEMS ", paper to be published in the IEEE conference "International Conference on Computer Engineering and Technology 2009" on January, 23rd 2009. The paper was written under the guidance of Prof. K. Chandrasekharan.

5. Project Title: Online Event Management System

The project tries to simply the event management procedure by having online facilities. PHP, JavaScript, CSS and ORACLE where used for its development. I was concerned with the calendar development and budget calculator part of the project.

6. Project Title: Snake Game

To build snake game using concepts of computer graphics. Technology used C.

ONGOING PROJECTS:

1. Building a wireless sensor network using SystemC and SpecC.

This is my major project which aims at developing a WSN simulator. Unique features of this simulator include its ability to be directly deployed on FPGA chips and provisions to add new features into the simulator itself (ie plug-ins). The challenges here include identifying the node structure, deciding which algorithm should be used for default routing etc.

CO-CURRICULAR ACTIVITIES

2. Developing a blocking software
This project is a part of the course advanced topics in networks. Here we block sites based on keywords by running the program on proxy server. Key challenges here are building a proxy server and security issues. The drawbacks include not being able to block when accessed using ip and not being able to identify a client uniquely.

REFERENCE 1 :

Prof K Chandrasekaran
Department of Computer Engineering NITK
email: kch@nitk.ac.in

REFERENCE 2 :

Amit Surana
Software Engineer IBM India Pvt. Ltd (ISL)
email : amitmsurana@gmail.com