SRI VENKATESWARA COLLEGE OF ENGINEERING

Sriperumbudur- 602 117

DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING
- RESEARCH CELL

Cordially invites you to the Special Lecture on

'Current Tech Trends: A Valley Perspective'

Delivered by

Shri. Rajkumar Madhuram

(Chief Technology Officer at C1X Inc. Santa Clara, California)

Venue   **: Video Hall**

Date   **: 31st October, 2018 (Wednesday)**

Time   **: 01.30 p.m - 2.30 pm**

All are Welcome!

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING - RESEARCH CELL

Programme Schedule

Date   **: 31st October 2018**

Time   **: 01.30 pm to 02.30 pm**

→ **Prayer Song**

→ **Welcome Address**

→ **Address by HoD-ECE**

→ **Chief Guest Introduction**

→ **Technical Talk**

→ **Vote of Thanks**

Dr.S.R.Malathi

Dr.S.Muthukumar

Rajkumar Madhuram

CTO at C1X Inc.

rmadhuram@yahoo.com

Summary

Passionate about developing software that solves practical problems. With more than twenty years of programming experience, and having been part of early stage start-ups and large enterprises, I'm detail oriented and have an eye for visual design and performance.

I also tinker with stuff (3D printing, arduino, raspberry pi, mindstorms...) and develop hobby projects in my spare time. I write about some of my work in my blog: http://geekraj.com.

One of the tools I developed, FireAntz, was the winner of the 2004 IBM International Challenge for Eclipse contest.

Specialties: Software architecture, Application design, High performance coding, Web, Desktop & Mobile applications development with specialization in UI.

Experience

CTO at C1X Inc.
November 2014 - Present

   Building a programmatic platform that helps businesses with their digital transformation strategies. We have a rock star team working on cutting edge technologies. Drop me a note if you like to join us in transforming the digital ad industry!

Lead Frontend Engineer
April 2014 - November 2014 (8 months)

   Led the frontend development and played a significant role towards the company being successfully series A funded.

   Set up the front end framework from scratch using a combination of AngularJS, grunt and neuter. Developed an interactive graph viewer for visualizing the network topology using d3/SVG/server+client side rendering techniques.

   AngularJS, Node.js, graphs (nodes+edges) graphs (x-y) and lot of graphs (algos), visualizations and loads of fun!

Software Engineer, Principal at Yahoo!

March 2011 - April 2014 (3 years 2 months)

Led the development of next generation analytics and reporting platform.

Member of the "Moneyball" core team that built Yahoo! Stream Ads, the first native ad format for Yahoo on the home page. Architected and built the UI that was used by Account Managers to create thousands of campaigns on launch day. The project crossed $100MM run rate within 6 months of launch.

Worked for Yahoo! Developer Network, where I built tools to foster innovation at Yahoo!

In 2011-12, developed new features, and delivered many performance enhancements for APT, the Yahoo! platform for display advertising. Architected a JavaScript heavy, YUI 3 based user interface for a product that enables moving budgets between multiple advertising channels. Worked on a next generation UI stack based on the Cocktails platform, built upon nodejs. Participated in 11 hack days, and won 3 of them.

Senior Software Engineer at Yahoo!
October 2009 - March 2011 (1 year 6 months)

Worked on APT, a Java based enterprise system that enables advertisers and publishers to conduct business with Yahoo! Made significant contributions towards performance enhancements of various key workflows. Developed tools for improving developer productivity.

Independent Consultant
March 2009 - October 2009 (8 months)

Developed a VoiceXML based contesting portal for a Chennai client. Developed XHTML 2.0 based WAP applications, using PHP, MySQL and WURFL. Designed and developed a file processor program for workflow automation using Java and Oracle. Developed a web application for a client in Bakersfield, USA, that pulls telemetry data from a remote SOAP web service, using PHP, MySQL and YUI.

CTO at Impiger Technologies
November 2005 - March 2009 (3 years 5 months)

Provided technology directions and oversaw product development in the 120 people company. Developed products in the mobile, web, enterprise and telecom spaces. Led development of voice solutions built on Asterisk, PHP, Ext JS & YUI, which generated significant revenue. Created innovative solutions for recruiting top talent. Started the iPhone apps development practice and oversaw development of Java ME based games and applications.

President
July 2004 - October 2005 (1 year 4 months)

Developed location aware applications for a client using Spring/Hibernate/Tapestry frameworks. Built a Java Swing based application for disaster simulation. Developed Java ME based game prototypes for unique mobile games that cater to Indian market.

Lead Software Engineer
September 2002 - September 2005 (3 years 1 month)

Involved in the development of an MVC framework for building web/mobile applications. Developed an Eclipse based tool that would allow visual assembly of components. These components were described using XML, and could be executed as a web app or natively across Java ME and Blackberry devices. The product was developed using GEF, EMF, and SWT/JFace etc., and was featured at JavaOne 2004 and EclipseCon. It was well received, notably by Robert Scoble: http://radio.weblogs.com/0001011/2004/01/21.html#a6313

Project Manager/Sr Software Engineer
May 2000 - September 2002 (2 years 5 months)

Developed new features and custom modules for the Core3 product line: Siteman and Storefront products, which were Java based web applications that enabled businesses to build content and commerce websites easily with a global branding and local content. Integrated multiple web services and 3rd party tools such as MapQuest etc. Managed an offshore team to develop certain features.

Advanced Engineer at Siemens Westinghouse Power Corporation, Orlando, FL
September 1997 - May 2000 (2 years 9 months)

Developed an Integrated Design Environment (IDE) for designing generators. The IDE seamlessly integrated legacy Fortran codes and provided a workflow mechanism for the engineers to communicate and collaborate. It significantly cut down the time taken to design a generator. Tcl/Tk was extensively for this project. Conceptualized and developed some cool tools including a visual debugger for running a BASIC like macro language, a visual flow editor for tying various components and executing the flow, a graph visualizer for dependency analysis etc.

Presented a paper in the 7th Tcl/Tk conference in 2000, highlighting our large scale development experience with Tcl/Tk.

Research Assistant
January 1996 - July 1997 (1 year 7 months)

Worked on the ZCAP project, a suite of software tools to test and evaluate terrain database interoperability. Developed a side-by-side stealth tool that enables flythrough over two similar terrain databases to visually identify defects. This was developed in C & OpenGL using Tcl/Tk front end (Embedded Tcl) and ran on SGI machines.

Freelance Programmer

January 1991 - May 1995 (4 years 5 months)
   Developed QuizStar-DPS for Pragati Computers Pvt. Ltd
   Developed & ran Sangam BBS for Computer Society of India
   Contributed many articles for SysReader, a magazine for computer professionals

Education
University of Central Florida
MS, Computer Science, 1995 - 1997
Activities and Societies: Member of ACM Programming Team, Upsilon Pi Epsilon Inductee
Government College of Technology, Coimbatore
B.E, Computer Science & Engineering, 1991 - 1995
Activities and Societies: InfoQuest!

Honors and Awards
Top Winner, International Challenge for Eclipse 2003, All India Rank 81 in GATE 1995 (CSE), Many
 1st and 2nd prizes in National Level Software / Programming Contests 1991-95, Placed 6th in ACM
 ICPC South East Regionals 1996, First Prize (1990 & 1991) - Rajalakshmi Memorial Math Talent
 Examination

Rajkumar Madhuram

CTO at C1X Inc.

rmadhuram@yahoo.com

Linked in.

Contact Rajkumar on LinkedIn

2018 Batch Nominal Roll Number

ADMISSION NUMBER	Registration number	Roll Number	NAME OF THE STUDENT	BATCH	BRANCH	
2018/EC/0743	180701001	1	AARSHIK B	A	EC	
2018/EC/0097	180701002	2	ABINAYA B	A	EC	
2018/EC/0681	180701003	3	ABIRAMI K	A	EC	
2018/EC/0746	180701004	4	ADITYA S	A	EC	
2018/EC/0306	180701005	5	AFIAH BANU H	A	EC	
2018/EC/0143	180701006	6	AMALAN VALLIAPPAN	A	EC	
2018/EC/0682	180701007	7	ARAVINDRAJ A	A	EC	
2018/EC/0261	180701008	8	ARFAAN HAFIZ A	A	EC	
2018/EC/0758	180701009	9	ARUNSUBBIAH SP	A	EC	
2018/EC/0156	180701010	10	ARVIND D	A	EC	
2018/EC/0735	180701011	11	ASHWIN KUMAR M	A	EC	
2018/EC/0130	180701012	12	ASWINE R	A	EC	
2018/EC/0676	180701013	13	BALA AKASH S	A	EC	
2018/EC/0837	180701014	14	BALAJI R	A	EC	
2018/EC/0189	180701015	15	BALAJI S	A	EC	
2018/EC/0841	180701016	16	BHARATHKUMAR J	A	EC	
2018/EC/0886	180701017	17	BHARATHWAJ S	A	EC	
2018/EC/0109	180701018	18	BOOMICA P	A	EC	
2018/EC/0065	180701019	19	BUVANESH S	A	EC	
2018/EC/0457	180701020	20	CHILAKA SAI	A	EC	
2018/EC/0504	180701021	21	DEEPAK KUMAR S	A	EC	
2018/EC/0684	180701022	22	DEEPAKSHIVAVEL M	A	EC	
2018/EC/0149	180701023	23	DEEPIKA E	A	EC	
2018/EC/0809	180701024	24	DEVI PRIYA B	A	EC	
2018/EC/0088	180701025	25	DHOSHIBA K	A	EC	
2018/EC/0128	180701026	26	DINESH KUMAR K	A	EC	
2018/EC/0131	180701027	27	FIONA J P J	A	EC	
2018/EC/0015	180701028	28	GANESH B	A	EC	
2018/EC/0064	180701029	29	GAYATHRI C	A	EC	
2018/EC/0698	180701030	30	HARI KHESHAV S K	A	EC	
2018/EC/0795	180701031	31	HARIHARA KUMAR SA	A	EC	
2018/EC/0206	180701032	32	HARRSHAVARDHAN P	A	EC	
2018/EC/0747	180701033	33	HARSHA LEKHA R	A	EC	
2018/EC/0151	180701034	34	HARSHITHAH K S	A	EC	
2018/EC/0406	180701035	35	HASHINI S	A	EC	
2018/EC/0141	180701036	36	INDHUMATHI V	A	EC	
2018/EC/0099	180701037	37	ISHWARYA L A	A	EC	
2018/EC/0806	180701038	38	JAI JISHNESH V	A	EC	
2018/EC/0252	180701039	39	JAIKEERTHI VARMA K R	A	EC	

ADMISSION NUMBER	Registration number	Roll Number	NAME OF THE STUDENT	BATCH	BRANCH
2018/EC/0072	180701040	40	JANANI A	A	EC
2018/EC/0782	180701041	41	JEEVAHARISH R	A	EC
2018/EC/0407	180701042	42	JEEVAPRASAD P	A	EC
2018/EC/0761	180701043	43	JEFEE M M	A	EC
2018/EC/0340	180701044	44	JEGAN K	A	EC
2018/EC/0123	180701045	45	JERUSHA G	A	EC
2018/EC/0129	180701046	46	KAMALAKANNAN B	A	EC
2018/EC/0826	180701047	47	KANDIKATTU DEEPAK	A	EC
2018/EC/0728	180701048	48	KANISHKA C	A	EC
2018/EC/0410	180701049	49	KARTHIKEYAN C	A	EC
2018/EC/0846	180701050	50	KAVITHA K	A	EC
2018/EC/0268	180701051	51	KEERTHANA B	A	EC
2018/EC/0704	180701052	52	KEERTHANA G	A	EC

ADMISSION NUMBER	Registration number	Roll Number	NAME OF THE STUDENT	BATCH	BRANCH
2018/EC/0773	180701120	120	SRI NATARAJ C	C	EC
2018/EC/0819	180701121	121	SRIHARI A	C	EC
2018/EC/0733	180701122	122	SRIHARI K	C	EC
2018/EC/0154	180701123	123	SRIMATHI S	C	EC
2018/EC/0852	180701124	124	SRIRAM R	C	EC
2018/EC/0498	180701125	125	SRIVANTH GANESH	C	EC
2018/EC/0102	180701126	126	SRIVARSHINI A	C	EC
2018/EC/0807	180701127	127	SUBASH KANNAN R K	C	EC
2018/EC/0346	180701128	128	SUBHA PRIYA A	C	EC
2018/EC/0713	180701129	129	SUDHARSAN K	C	EC
2018/EC/0875	180701130	130	SUDHARSANA S	C	EC
2018/EC/0058	180701131	131	SUSHMITHA S R	C	EC
2018/EC/0114	180701132	132	SUWETHA K	C	EC
2018/EC/0110	180701133	133	SWETHA S	C	EC
2018/EC/0760	180701134	134	SWETHA S	C	EC
2018/EC/0744	180701135	135	TAMIL SELVAN H	C	EC
2018/EC/0625	180701136	136	TEJASWATH R	C	EC
2018/EC/0100	180701137	137	THANIGAIVEL M	C	EC
2018/EC/0413	180701138	138	THIVYA T	C	EC
2018/EC/0902	180701139	139	UKKESH P B	C	EC
2018/EC/0673	180701140	140	VARUN SOMAN	C	EC
2018/EC/0096	180701141	141	VIDHYA N	C	EC
2018/EC/0197	180701142	142	VIGNESH M	C	EC
2018/EC/0566	180701143	143	VIGNESH T J	C	EC
2018/EC/0719	180701144	144	VIGNESHWAR S J	C	EC
2018/EC/0808	180701145	145	VIJAY BABU B	C	EC
2018/EC/0214	180701146	146	VIJAY MUTHU RAJA J	C	EC
2018/EC/0714	180701147	147	VIJAY SOORYA J	C	EC
2018/EC/0106	180701148	148	VINDHIYA S	C	EC
2018/EC/0177	180701149	149	VISHNUKUMAR Y	C	EC
2018/EC/0674	180701150	150	VISHNUSAI R	C	EC
2018/EC/0126	180701151	151	R VISHNU VARADHAN	C	EC
2018/EC/0752	180701152	152	VISHWESH P V	C	EC
2018/EC/0757	180701153	153	YASHWANTH B	C	EC
2018/EC/0710	180701154	154	YASHWIN VASANTH S	C	EC
2018/EC/0228	180701155	155	YOGESH G	C	EC
2018/EC/0696	180701156	156	YUKESH ADITIYA P S	C	EC

2018/EC/0357	180701104	104	SANGEETHA R	B	EC	
2018/EC/0117	180701105	105	SANJANA B S	C	EC	
2018/EC/0866	180701106	106	SANJAY P S	C	EC	
2018/EC/0393	180701107	107	SARANYAA M	C	EC	AB
2018/EC/0896	180701108	108	SATHAPPAN K	C	EC	AB
2018/EC/0172	180701109	109	SATHYA B	C	EC	AB
2018/EC/0589	180701110	110	SESHADRI N	C	EC	AB
2018/EC/0269	180701111	111	SHABARISH HAREN V	C	EC	
2018/EC/0699	180701112	112	SHAILESH KRISHNAN N	C	EC	
2018/EC/0303	180701113	113	SHALINI A	C	EC	A shalini
2018/EC/0889	180701114	114	SHIVA GANESHAN K	C	EC	AB
2018/EC/0784	180701115	115	SHRIHARI S	C	EC	
2018/EC/0683	180701116	116	SHRUTHI E	C	EC	
2018/EC/0695	180701117	117	SIDDHARTH K	C	EC	AB
2018/EC/0116	180701118	118	SIVASOORIYA M	C	EC	
2018/EC/0101	180701119	119	SREEHARI S	C	EC	

A Report on

Guest Lecture on 'Current Tech Trends – A Valley Perspective'

Organized on 31st October 2018 by the Department of ECE

Department of ECE organized, a **Guest Lecture on 'Current Tech Trends – A Valley Perspective'** on 31st October 2018.

The event was Coordinated and Organized by Dr.S.R.Malathi, Associate Professor Ms.M.Vidya and Ms.S.Radhika, Assistant Professors, Department of ECE.

The speaker was Mr.Rajkumar Madhuram, Chief Technology Officer at C1X Incorporated, Santa Clara, California. The purpose of the guest lecture was to motivate and give an insight into the current hot trends in the Silicon Valley. About 120 third years under graduate students participated enthusiastically. Dr.S.R.Malathi gave a brief introduction about the guest Mr.Rajkumar Madhuram.

In this talk, Mr.Rajkumar Madhuram covered through a landscape on AI, ML, Big Data, Mixed Reality (AR, VR), Maker Movement - DIY, 3D printing, IoT, Drones, Voice Assistants, Blockchain & Cryptocurrency, Digital Transformation (blending physical & digital), Self Driving Cars etc.

At the end of the lecture, few students interacted with the guest and enquired about the job opportunities and higher studies opportunities in the silicon valley. The guest lecture was concluded with National Anthem.

Dr.S.R.Malathi   Dr.S.Muthukumar