Vijay Chidambaram V

Contact Information	5, 2nd Main Road, Vijayanagar, Velachery, Chennai – 600042, Tamil Nadu, India	*+91 – 9840520194* vvijay03@gmail.com http://thevc.wordpress.com http://www.geocities.com/vvijaychidambaram/

Research interests   Networks, Distributed Systems, Architecture

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Academics

Bachelor of Engineering in Computer Science

College Of Engineering, Guindy, Anna University (2005- 2009)
CGPA: 9.046 (Upto 6th semester)
Advisor: Prof. Ranjani Parthasarathi
Final year project: Flash augmented architectures

High School   Percentage secured: 96.42%

Publications

- Vijay Chidambaram V, Thanumalayan S, Ranjani Parthasarathi, "Design-space exploration of flash augmented architectures," in the *Poster Session* of the *15th Annual IEEE Conference on High Performance Computing (HiPC),* Bangalore, India, Dec 2008. To Appear

- Vijay Chidambaram V, Smrithi Ravi, Sivaguru C, Thanumalayan S, "Unity in Diversity : Network Authentication Service and Transparent Access to Resources with Project SSE Information Infrastructure," in the *6th Annual National Workshop on Smart and Secure Environment,* Karaikudi, India, June 2008

Positions of Responsibility

- Head of Web Operations, Kurukshetra (National Tech- Fest of College Of Engineering, Guindy)

- Treasurer, ACM Student Chapter

- Google Campus Ambassador (2007-2008)

- Executive Director, Computer Society Of Anna University (Largest student org on campus)

Internships

- ***Networks Lab, IIT Madras, India***
  Summer Intern   *May 2008 – July 2008*
  I was part of a team of 4 students. We worked on providing Single Sign On and other services for the users of a wide-area network connecting 8 colleges across the state. We also built a distributed testbed for network experiments.

- ***HeyMath!,*** *Chennai, India*
  Intern   *May 2007 – June 2007*
  Created a mailing engine to serve the mass mailing needs of HeyMath!. The user interface was designed such that even laymen users could easily use the web application.

Technical Skills

Operating systems : Microsoft Windows, GNU/Linux

Programming: C, C++, Java, Python, Shell scripting

Other Achievements

- 2nd place in India in Carte Blanche 2008 Online programming contest

- 3rd place in IIT Madras Shaastra 2007 Obfuscated Code contest

- 2nd place in **Project Display** (Software Category) in Tech Show 2007 conducted by the Computer Society of Anna University

- Conceived and designed Riddles of the Sphinx 2008 and 2007, online technical hunts conducted during Kurukshetra. Both ROS events attracted more than 2 lakh participants from around the world.

- Was part of the team conducting **Sparks** and **Prodigy**, events aimed at exposing school children to technology

- Conducted several online and onsite programming contests

- Volunteer for **Youth Red Cross**

Personal Details

Gender **:** Male

*Age***:** 21

Nationality : Indian

Projects

- *GENIE - Distributed Testbed for Network Experiments*

  SSE Testbed is a distributed testbed for testing network protocols and running other network experiments. The user can specify the topology of the virtual networks graphically. The parameters of the virtual network such as link bandwidth and delay can be specified by the user. The nodes of the virtual network can be distributed over several physical computers. Shell support is provided for each virtual node, along with support to run commands on all or a subset of the virtual nodes.

- *Unity in Diversity – Network Authentication for Wide-Area Networks*

  Unity in Diversity is a solution that provides network authentication and single sign on features for the users of a wide-area network spanning 8 colleges across the state of Tamil Nadu. The solution provides the same desktop, storage and applications to the users regardless of the computer on which they log into. This solution works across Windows and Linux operating systems.

- *Shaastra – Sanskrit Search Engine*

  Shaastra is a search engine for searching documents in the Sanskrit language. It uses the Lucene engine as it core. A web front-end for searching and a Java Swing front-end for controlling the crawling was developed. A list of seed URLs can be given and the crawling will start from those links. Pages in which crawling produced errors are separately listed.

- *HeyPost! – Mailing software*

  HeyPost! is a software to enable laymen users to effectively mass mail customers of HeyMath!. The users are able to create and preview a newsletter created using velocity templates. The list of customers can be given using MySQL, MS SQL or text files. The software also provides a secure and easy mechanism for users to access the templates stored on the server.

- *NaViSim – Stock Market Simulation Software*

  NaViSim is a software for simulating a closed stock market. Each user is given a certain amount of virtual money. He is allowed to buy/sell stocks with his virtual money. At the end of a certain period, the user with maximum portfolio value wins. Each user's buying or selling of stocks affects the stock price. The software also has options for the admin to control the prices of the stocks.