Samuel Johnson

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C1/23, PRL Residency
Ambali – Bopal Road
Vikram Nagar
Ahmedabad – 380058
Gujarat
India

Educational Qualifications:

Examination	Discipline/ Specialization	Board/ University	Year of Completion	%
M. Tech	Information Security & Computer Forensics	SRM University	2012	77%
B. E.	Computer Science	Annamalai University	2010	82.6%
HSC	Science + Math Stream	C.B.S.E.	2006	60%
SSC	S.S.C	C.B.S.E.	2004	75%

Computer Skills:

Programming   : **C**, **C++**, Java, Python, Shell Scripting.

Operating Systems   : **GNU/Linux** (Arch, Red Hat & Debian based), Microsoft Windows XP / 7, (Proficient in customized, secured server & client installation with all variants of Linux.)

Achievements:

- Certified in vendor-neutral **Comptia Linux+** powered by **LPI**.
- Certified in Linux Professional Institute **LPIC-1** Certification.
- Novell **Certified Linux Administrator**.
- Novell Certified **Data Center Technical Specialist.**
- Won **First Prize** in Project Competition, National Symposium "COMPSEM-09" organized by Annamalai University.
- **Published Paper** in International Journal of Engineering Research & Technology.
- Successfully completed course on **Quantum Mechanics and Quantum Computation** from **University of California, Berkeley**.
- **Presented Paper** in National Symposium "COMPSEM-09".
- Secured **91 Percentile** in 6th NIIT **National IT Aptitude Test**.

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Projects:

1) Cell Phone Based Distant Object Control

In this project, a remote land rover was controlled using **DTMF tones** from a cellular device. Unlike the traditional remote control which has a limited range, a cell phone covers the entire Earth.

This project fetched **first prize** in the National Syposium "COMPSEM-09" organized by Annamalai University in year 2009.

2) Visual Speech Synthesis

In this project, a Visual C++ based software was implemented to convert an input text into an audiovisual speech stream and play it **incorporating the head and eye movements** of a human being in real-time. Instead of relying on existing speech engines(like Festival), a new engine is created which **resolves ambiguities** in English language properly and has an **Indian accent**.

3) Steganography Removal in Corporate Environment

In this project, a **Linux/Unix tool** was created which would take as input a file with **possible steg content**, and outputs the same file with the **steg content removed**. The idea is to implement the tool in **mail server** of corporate environment to stop disgruntled employees from leaking **confidential information**.

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Work Experience:

1) Physical Research Laboratory

Designation : Scientist / Engineer – SC

Job Responsibilities :

1) Managing, maintaining and providing HPC and other computing resources to users in PRL.

2) Overlook and improve security aspects of services in PRL.

3) Manage and maintain E-mail, HPC and other user data along with archival soutions.

Projects undertaken and completed :

1) Deployed KVM based hypervisor and migrated physical servers to virtual machines.

2) Enforced campus wide SMTP and IMAP SSL encryption.

3) Enforced campus wide SMTP Authentication.

4) Implemented VPN access for Linux users.

5) Deployed new mail system based on Horde framework and successfully migrated existing user data from squirrelmail.

6) Coded and implemented a tool from scratch to inform sysadmins (and users) of misuse of IP in the network.

Declaration:

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place : Ahmedabad

Date : Mar 16, 2014   (Samuel Johnson)