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DOB : 05-SEP-1989

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 6<sup>th</sup> **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 Symposium "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 solutions.

#### 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)