

Satinderpal Singh

PH 4A, Old City Control Room
Ludhiana
India

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Experience

- 2016–2018 **Assistant Professor**, *Dashmesh Khalsa College*, Zirakpur, *Under the management of SGPC*.
- 2015–2016 **Programmer**, *CSIOM Solutions Pvt. Ltd*, Ludhiana.
Programming and System Administration

Education

- 2013–2015 **M.Tech**, *SGGSWU*, Fatehgarh Sahib, *CGPA 7.10/10*.
Computer Science and Engineering
- 2009–2013 **B.Tech**, *Guru Nanak Dev Engineering College*, Ludhiana, *66.5%*.
Computer Science and Engineering
- 2007–2009 **Senior Secondary**, *RDK DAV Model Sr. Sec. School*, Batala, *70.4%*.
PCM
- 2007 **Matriculation**, *RDK DAV Model Sr. Sec. School*, Batala, *70%*.

Master thesis

- Title *Voice dictation system for Punjabi language with cmu-sphinx speech engine*
- Supervisors Dr. Vinay Bharadwaj
- Description Speech to text dictation system for punjabi language, which could convert human voice to Gurmukhi font by using CMUSphinx engine and cmu-toolkit

Major Project

- Title *Office Automation System*
- Supervisors Dr. HS Rai
- Description An office automation system for Testing and cultancy cell, GNDEC ludhiana

Languages

- | | | |
|------------|----------------|-------------------------|
| Language 1 | Punjabi | <i>Read & Write</i> |
| Language 2 | Hindi | <i>Read & Write</i> |
| Language 3 | English | <i>Read & Write</i> |

Computer skills

Language	C, C++, Python, php, Fortran	Tools	LAMP, Festival Framework, CMUSphinx, Festvox, Latex
Database	MySQL, PostgreSQL		Drupal, Django, Wordpress, CodeIgnitor
Scripting	Bash, Coffee	Operating System	Ubuntu, Debian, ElementaryOS, Fedora, Redhat, Windows
Server	Linux based server Administration, Mail Server, Web Server(Apache, nginx)		

Publications

- Parts of speech tagging for indian languages review and scope for punjabi language, April, 2017
- A Survey on Parts of Speech Tagging for Indian Languages, April, 2017

Interests

- Interest 1 Spending time with Inovative minds. Usually spend time with student from differnt institutes and discuss innovative ideas.
- Interest 3 Programming and Development
- Interest 2 Playing martial art Gatka and Wushu

Software Development

- Develop and manage Dashmesh khalsa college website, student management system and library management system.
- POS tagger for Punjabi language
- Enhanced POS tagger for Hindi language
- Text to speech system with festival framework for Punjabi language
- IRIS traffic management system
- Office Automation
- Kirt: A salary calculation web app for local business
- Tutor: Online tutor hiring system
- Student Management System

Web Development

- PeasantsB consultants website
- GH construction Website
- Money for lunch website
- Product scrapping script from ebay to majento

- American most trusted constructors website
- Personal websites of many people/firms