

# Dileep Singh

**Computer Science & Engineering**  
**Indian Institute of Technology, Bombay**  
**Specialization: Computer Science and Engineering**  
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**M.Tech.**  
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## Qualification

Examination	Subject	University	Institute	Year	CPI / %
Post Graduation (M. Tech)	CSE	IIT Bombay	IIT Bombay	2012	6.56
Graduation (B.E.)	CSE	RGPV Bhopal	MITS Gwalior	2007	63.90
Intermediate/+2 Mathematic	Mathematic	MP Board	Convent H.S. School, Morena	2000	73
Matriculation	Science	MP Board	The Verity P.H.S. School, Morena	1998	65.20

## Professional Experience

- Working as Technical Officer in Eliphaz Financial Consultants Pvt. Ltd from 4-Feb-2014 to till date (2.5 year).
  - Experience in Understanding Technical Specification, Functional Specification, and Analyzing Object as per strategic requirement.
  - Design Automation Tool for analysis of historical data, It is contain multiple strategy, logic and custom trading algo. It is generated signal for next day and current time using bash, shell scripting, awk, sed, Python. Also generate the bulk order for trading purpose.
  - Develop the Stock Market tips Portal Using PHP, JavaScript, JQuery, Highchart API and amchart, tabletool, MySQL
- 3 month experience in Research and Development field in IIT Bombay from 20-Oct-2013 to 30-Jan-2014
  - Developed Android apps (Peer-to-peer Communication and Robot control by tablet) for the Aakash Tablet., Edx , Moocs Platform using shell Scripting, Python, Django Framework.
- 1.3 Year Teaching Experience as Assist. Professor in Allenhouse Institute of Technology, Rooma Kanpur from 16-July-2012 to 15-Oct-2013
  - Teaching Parallel Computing ,Core and advanced Java

## Technical Skills

- **Programming Languages:** C, C++ , Linux (Bash, awk, sed),Python Django
- **Scripting Languages:** Python, Shell
- **Operating Systems:** Linux-Ubuntu, Windows
- **Database:** MySQL, SQL Server
- **Tools:** Latex, Netbeans,eclipse

## **Major Projects and Seminar**

- **National Portal for Professional Teachers using Joomla Framework**  
(M.Tech Thesis, Guide: Prof. D. B. Phatak)
  - The aim is to provide access to a federation of learning repository on National Portal for Professional Teachers and in order to facilitate ontology-facilitated sharing and reusing of learning resources.
  - Providing free access to distributed repositories of educational and research content and ability to unite different cultural communities for developing the **Semantic Search Engine** is the key goal of this project.
- **Comparison of PHP and JavaScript**  
(M.Tech Seminar, Spring 2010, Guide: Prof. Amitabha Sanyal)
  - The objective was to find out about the work being done for improving and sustaining scripting language.
  - Comparative study of PHP and java script to analyze various feature.
  - Implemented photo sharing website with Create albums, upload photos, add captions, view slide show.
  - Share private albums (send email to friend with link to slide show).
  - Provide filters (most popular and most recent photos) to the user.
- **Compact Framework**  
(B.E. Project, Spring 2007, Guide: Prof. Manish Dixit)
  - The objective is to develop Mobile application for anywhere any time Internet based information system access.
  - Tool Used: ASP.Net with C# and SQL Server CE.

## **Graduate Level Course Projects**

- **Web server log analyzer tool in python**  
(Autumn 2010, Guide: Prof. G. Sivakumar)
  - Designed a tool for parsing Apache web server HTTP logs and produced statistics like load per hour.
  - Tools Used: wxPython, matplotlib and pylab for producing GUI.
- **GIS to Edit and Query Geographical Maps**  
(Autumn 2010, Guide: Prof. G. Sivakumar)
  - Map of location displayed in interactive manner.
  - Map is updated according to queries and is displayed.
  - Tools Used: Postgre, PostGIS, JSP
- **Secure Confidential Distributed Query Processing**  
(Spring 2011, Guide: Prof. S. Sudharsan)
  - The project work is to automatically implement Join and Aggregate operation in a distributed environment where there is no replication of data among nodes.
  - Rewritten query, multiple nodes are accessed for aggregate and scalar information.
- **Image manipulation**  
(Autumn 2010, Guide: Prof. Amitabha Sanyal)
  - This Project is to develop GUI based image manipulation tool for providing image scaling, rotation, image quality to optimize space.
  - Tools Used: ghc6 - haskell compile, gtk2hs - GUI library and libghc6-glade-dev - To design

user-interface.

### **Positions of Responsibility**

#### **• Teaching Assistant, IIT Bombay**

(Under Prof. D.B.Phatak, Autumn 2009 and Autumn 2012)

- **Computer Programming and Utilization**

Worked in a group of four to evaluate assignments and quizzes. Guided a team of 20 students to build course project.

### **M.Tech Courses Taken**

- Functional Programming, Advanced computer architecture, Introduction to Project Management, Introduction to Service Management, Advance Database Management System, Embedded System

### **Extra-curricular Activities and Achievements**

- I have made some apps in Aakash Tablet in IIT Bombay which is appreciate by Times of India.
- **Live Project:** Insurance Management System
  - **Client:** Alfa Dairy Farming Ltd, Gwalior
  - **Period:** Jan-2009 to July-2009
  - **Technology:** ASP.Net with C#, SQL Server 2005
  - **Work Details:** Developed Insurance Application for Company. Developed Function Modules to Save/Change/Delete/Display for the Creation of Insurance Type and Insurance Company. Developed Reports for the monitoring of Policies and Policy Details. Agent Module, Payment Module, Loan Module, Cash Flow, Daily Report, Annual Report.

Networking Training: F.R.S. (Fault Remote System) and External and Internal Technology;

- AT B.S.N.L.Morena (M.P)
- Certificate awarded in .Net(VB,C#,ASP.Net) by PS-Softech-2007.

### **Hobbies**

- Watching movies, Listening music

### **Declaration**

I do hereby declare that the particulars of information and facts furnished above are true, correct and complete to the best of my knowledge and belief.

Date :

Place : Indore

Dileep Singh