

# CURRICULUM VITAE

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## MANDEEP SINGH



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## CAREER OBJECTIVE

To have a career that will give me an opportunity to work and apply my potential in new, diverse and challenging fields in a reputed organization and facilitate learning and growth.

## Work Experience

**University:** Punjabi University, Patiala (ACTDPL)

**Experience:** 10 Jan'13 to till Now

**Designation:** System Analyst.

**Job Profile:** Research Project and Teaching.

## PROJECTS

- Development of robust document image understanding system for documents in Indian scripts(OCR - Phase 2)
- IPA based On-line Punjabi Teaching.

**Subjects Taught :** Software Engineering, Network Security, Object Oriented Analysis and Design, Computer Networks.

**University:** Punjabi University, Patiala (UCoE)

**Experience:** 19 July'10 to 28 May'12

**Designation:** Assistant Professor (Computer Engg.)

**Job Profile:** Teaching.

## AREA OF SPECIALISATION

- C, C++, CORE JAVA, Computer Networks, Network Security, Information technology.
- **Subjects Taught :** Computer Architecture, Object Oriented Programming, Data Structure, System Programming, System Analysis and Design

**Organization:** Vodafone Essar South Ltd. (Mohali, Punjab)

**Experience:** 6 Nov'08 to 23 March'10.

**Designation:** GET Network Operations (Performance)

**Job Profile:** Database Management, Management Information System (MIS) and Network Optimization.

## PROJECTS

- **BCS's KPI's Measurement (for Vodafone Essar)** using oracle 8i, MSAccess, MSExeccl.
- **Ranking KPI's Based on Network Cells (for Vodafone Essar)** using oracle 8i, MSAccess, MSExeccl.
- **Automation of DATABASE Processing.**

## **PUBLICATIONS**

### **Published Papers:**

- 1. Mandeep Singh and Balwinder Singh**, “Performance Evaluation of MANET Routing Protocols with Scalability for E-mail Throughput Traffic Using OPNET Modeler”, International Journal of Research in Commerce, IT & Management, ISSN 2231-5756, Volume No. 3, Issue No. 09, September 2013.
- 2. Mandeep Singh and Balwinder Singh**, “Performance Evaluation of MANET Routing Protocols with Scalability for HTTP Traffic Delay Using OPNET Modeler”, International Journal of Software & Hardware Research in Engineering, ISSN 2347-4890, Volume No.1, Issue No. 1, September 2013.
- 3. Mandeep Singh and Amarvir Singh**, “Performance Evaluation of MANET Routing Protocols with Scalability for HTTP Network Load OPNET Modeler”, International Journal of Software & Hardware Research in Engineering, ISSN 2347-4890, Volume No.1, Issue No. 1, October 2013.
- 4. Mandeep Singh**, “PERFORMANCE EVALUATION OF MANET ROUTING PROTOCOLS WITH SCALABILITY FOR FTP NETWORK DELAY USING OPNET MODELER” , International Journal of Core Research In Communication Engineering, ISSN-2349-7742, Volume No.1, Issue No. 02, October 2014.
- 5. Puneet Bansal , Rajan Kumar and Mandeep Singh**, “ A Review on Security Concerns of Cloud Computing”, Emerging Trends in Computer Science & Engineering, May 2012.

### **Accepted Papers:**

- 1. Mandeep Singh**, “Performance Evaluation of MANET Routing Protocols with Scalability for HTTP Throughput Traffic Using OPNET Modeler”, American Journal of Engineering Research, Article ID: 29156, 4 October 2013.
- 2. Mandeep Singh**, “Performance Evaluation of MANET Routing Protocols with Scalability for E-mail Network Delay Using OPNET Modeler”, International Journal of Modern Engineering Research (IJMER), Manuscript ID: IJMER-35180, 8 October 2013.
- 3. Mandeep Singh**, “Performance Evaluation of MANET Routing Protocols with Scalability for E-mail Network Load Using OPNET Modeler”, American Journal of Computer Science & Information Technology, Manuscript ID: AJCSIT-700115, 22 October 2013.

## **PROFESSIONAL QUALIFICATION**

**Area of specialization: Computer Science & Engineering.**

Bachelors of Technology (Full Time) 2005-08 from **Punjabi University, Patiala** with **Aggregate: 71.04% .**

Masters of Technology (Part-Time) 2010-13 from **Punjabi University, Patiala** with **Aggregate: 69.50% .**

PhD Course Work Regular 2014-2015 from **Punjabi University, Patiala** with **'A' Grade ( 80%).**

Doctor of Philosophy Pursuing (from 2014-till date)from **Punjabi University, Patiala** Under-Guidance of Dr. Raman Maini, Professor, Department of Computer Engineering, Punjabi University, Patiala.

## **ACADEMIC QUALIFICATION**

- Passed 10th in 2002 from PSEB board securing 68% marks.
- Passed 3 Year Diploma in Computer Engineering from **Thapar Polytechnic, Patiala** in 2005 under board PSBTE & IT securing 64.86% marks.

## **PROFESSIONAL EXPOSURE**

- **Languages Known:** C/ C++, Java 1.5, ASP. Net.
- **Databases:** Oracle, MS-Access.
- **Web Technologies:** HTML.
- **Operating Systems:** MS Windows, MS DOS.

- **Computer Skills:** MS-OFFICE, Hardware and software installation, Internet and Networking.

## **PROJECTS & TRAINING UNDERTAKEN**

### **PROJECTS**

**Student Information Record** using Java 1.5, Graphical User Interface that includes keeps the information of the students in the college like Student Enrollment, Allotting Subjects, Class Information, Adding New Subjects, and Allocating Grades etc.

**Car Assurance System** (Minor Project) using C, during diploma in Thapar Polytechnic Patiala.

### **TRAINING**

Six Months Training at **NIIT LIMITED, PATIALA** in **Java 1.5**.

One Month Training in **COMPUTER NETWORKS** from **NODAL CENTRE (Thapar Polytechnic, Patiala)**.

### **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:** Patiala

(Mandeep Singh)