

# **SATISH KUMAR**

## **CORRESPONDENCE ADDRESS**

Flat – 1A, AIRA HOLMES,  
Near PNB Bank, Kasumpti  
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## **PERMANENT ADDRESS**

V.P.O. Barara, Teh. Tauni Devi,  
Bamsan, Distt. Hamirpur,  
Himachal Pradesh-177023

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## **CAREER OBJECTIVE**

A hardworking learner willing to build a career in Teaching, Research and Development. A very confident individual with the ability to face difficulties and overcome them successfully. An aspirant with enthusiasm, desirous to contribute best for development of the organization.

## **EDUCATIONAL QUALIFICATION**

- **NET** (National Eligibility Test)-Qualified.
- Master of Technology (**M.Tech.**) from Deptt. Of CS, H.P. University, Shimla with 73%.
- Bachelor of Technology (**B.Tech.**) from UIIT, H.P. University, Shimla with 73%.
- Intermediate (**XII<sup>th</sup>**) from H.P. Board of School Education, Dharamshala with 73%.
- High School (**X<sup>th</sup>**) from H.P. Board of School Education, Dharamshala with 76%.

## **WORK AND TEACHING EXPERIENCE**

- Working as guest faculty in Institute of Information Technology, Una (IIITU), Himachal Pradesh. (June 2023 to till now).
- Worked as guest faculty on the post of Assistant Professor in University Institute of Information Technology, (UIIT), **B.Tech (IT & CSE)**, Himachal Pradesh University, Summerhill, Shimla-5. (H.P.) (July 2013-June 2023).
- Worked as guest lecturer in the Department of Computer Science, (DCS), **Masters in Computer Applications (MCA)**, Himachal Pradesh University, Summerhill, Shimla-5. (H.P.) (Aug 2017-Nov 2017).
- Worked as lecturer in Pre-Examination Coaching Centre (**PECC**), **HAS/IAS, PET/PMT, Bank PO Coaching**, Himachal Pradesh University, Summerhill, Shimla-5. (May 2015-June 2016 & May 2016-June 2017).
- Worked as guest lecturer in Himachal Pradesh University Business School (HPUBS), **Master of Business Administration (MBA)**, Himachal Pradesh University, Summerhill, Shimla-5. (Aug 2015-Nov 2015).
- Worked as a guest faculty in Personal Contact Programme, at International Centre of Distance Education and Learning (ICDEOL), **Master of Computer Application (MCA)**, Himachal Pradesh University, Summerhill, Shimla-5. (Sept 2014-Aug 2016).
- Worked as a guest faculty in Personal Contact Programme, at International Centre of Distance Education and Learning (ICDEOL), **Bachelor of Computer Application (BCA)**, Himachal Pradesh

University, Summerhill, Shimla-5. (Jan 2013-Aug 2016).

- Worked as a guest faculty in Personal Contact Programme, at International Centre of Distance Education and Learning (ICDEOL), **Post Graduate Diploma in Computer Application (PGDCA)**, Himachal Pradesh University, Summerhill, Shimla-5. (Mar 2013-May 2016).
- Worked as a guest faculty in Personal Contact Programme, at International Centre of Distance Education and Learning (ICDEOL), **Advanced Post Graduate Diploma in Computer Application (APGDIT)**, Himachal Pradesh University, Summerhill, Shimla-5. (Apr 2011-May 2011).

### **RESEARCH PAPERS PUBLISHED**

- “**Multi-Authentication for Cloud Security: A Framework**” in International Journal of Computer Science & Engineering Technology (IJCSET), Vol. 5, 04 April 2014, ISSN (Online): 2229-3345.
- “**An Approach for Data Security from Malicious Attacker in Cloud Computing**” in Indian Journal of Science and Technology (INDJST), Vol. 9(32), DOI: 10.17485/ijst/2016/v9i32/100221, August 2016, **SCOPUS INDEXED Journal**, ISSN (Print): 0974-6846, ISSN (Online): 0974-5645.
- “**A Comparative Study of Different Cloud Services, Cloud Security Issues and Cloud Providers**” in International Journal of Latest Trends in Engineering and Technology (IJLTET), Special Issue RICSIT-2016, ISSN (Print): 2278-621X, ISSN (Online): 2319-3778.
- “**An Analysis of the Cloud Computing Security Issues**” Published by the Institute for Research and Development India (IRD India), International Conference on Advances in Electrical, Electronics and Computer Science (ICAEECS), 6<sup>th</sup> November, 2012.
- “**Cloud Computing Overview and Challenges: A Review Paper**” in Global Journal of Engineering Science and Research Management (GJESRM), Vol. 4(2), February 2017, ISSN (Online): 2349-4506.
- “**Simulation of Flooding based DDoS Attack in Software Defined Networks**” in International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Vol. 7, Issue 8, August 2019, pp. 3675-3678, ISSN (Online): 2320-9801, ISSN (Print): 2320-9798.
- “**Speculative Study on DDoS Security Threats in Software Defined Networks**” in International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), Vol. 8, Issue 8, September 2019, pp. 404-409. ISSN: 2278 – 1323.

### **SEMINARS, CONFERENCES, SYMPOSIA, WEBINARS, WORKSHOPS**

- Presented Research Paper entitled “**An Analysis of the Cloud Computing Security Issues**” in the International Conference on Advances in Electrical, Electronics and Computer Science (ICAEECS) held on 6<sup>th</sup> November, 2012 organized by the Institute of Research and Development (IRD), Nagpur.
- Presented Research Paper entitled “**An Approach for Data Security from Malicious Attacker in Cloud Computing**” in the International Conference on Recent Innovations in Computer Science and Information Technology (RICSIT) held on 23<sup>rd</sup> May, 2016 organized by University Institute of Information

Technology (UIIT) in collaboration with the Department of Computer Science (DCS), Himachal Pradesh University, Shimla.

- Presented Research Paper entitled “**A Comparative Study of Different Cloud Services, Cloud Security Issues and Cloud Providers**” in the International Conference on Recent Innovations in Computer Science and Information Technology (RICSIT) held on 23<sup>rd</sup> May, 2016 organized by University Institute of Information Technology (UIIT) in collaboration with the Department of Computer Science (DCS), Himachal Pradesh University, Shimla.
- Attended One Day National Seminar on “**Indian Science and Technology: Past, Present and Future**” organized by UIIT, Himachal Pradesh University, Shimla (NAAC Accredited A Grade University) in association with Indian Science Congress Association (ISCA) Shimla Chapter, held at University of Information Technology (UIIT), H.P. University, Shimla on 22 September, 2018.
- Participated in National Workshop on “**Quantum Computing**” under the AICTE Training and Learning (ATAL) Academy held at UIIT, H. P. University, Shimla from 2<sup>nd</sup> September to 6<sup>th</sup> September 2019.
- Participated in “**Webinar on Applied IOT**” organized by Department of Electronics and Communication Engineering, **HITAM** (Hyderabad Institute Of Technology & Management), Approved by AICTE New Delhi & Affiliated to JNTUH, Hyderabad, NBA, NAAC Accredited, held on 26 June, 2020.
- Attended One Day Webinar on “**Internet of Things (IOT) – Industrial Perspective**” organized by **BVICAM** (Bhartiya Vidyapeeth’s Institute of Computer Applications and Management), New Delhi, IEEE Delhi Section and Industry Institute Partnership Cell, AICTE, held on 11 July, 2020.
- Attended One Day Webinar on “**Blockchain – Technological Perspective**” organized by **BVICAM** (Bhartiya Vidyapeeth’s Institute of Computer Applications and Management), New Delhi, IEEE Delhi Section and Industry Institute Partnership Cell, AICTE, held on 18 July, 2020.
- Attended One Day Webinar on “**Simplifying IPR and Patent Filing**” organized by **BVICAM** (Bhartiya Vidyapeeth’s Institute of Computer Applications and Management), New Delhi, IEEE Delhi Section and Industry Institute Partnership Cell, AICTE, held on 24 July, 2020.

## **FACULTY DEVELOPMENT PROGRAMMES**

- **Participated** and successfully completed 3-days “**Faculty Development Program for Student Induction (FDP-SI)**” during 24 May 2019 - 26 May 2019 at HPU, Shimla organized by All India Council for Technical Education (AICTE).
- **Participated** and successfully completed 5-days **FDP** on “**Quantum Computing**” from 02-09-2019 to 06-09-2019 at University Institute of Information Technology (**UIIT**), **H.P. University, Shimla**, organized by AICTE Training And Learning (ATAL) Academy.
- **Participated** and successfully completed 5-days **Faculty Development Programme** on “**IOT Applications**” from 01 June 2020 to 05 June 2020, organized by Department of Computer Science and Engineering, Vikas Group of Institutions, approved by AICTE and affiliated to JNTUK, Kakinada, Andhra Pradesh.

- **Participated** and successfully completed one-week Faculty Development Programme on “**Recent Trends in Electronics and Communication Engineering**” from 08 June 2020 to 12 June 2020, organized by Chennai Institute of Technology (CIT), Sarathy Nagar, Kundrathur, Chennai.
- **Participated** and successfully completed one-week Faculty Development Programme on “**Emerging Technology Trends in 4<sup>th</sup> Industrial Revolution World**” from 22 June 2020 to 26 June 2020, organized by Department of Computer Science and Engineering, Chennai Institute of Technology (CIT), Sarathy Nagar, Kundrathur, Chennai.
- **Participated** and successfully completed one-week Online Short Term Training Program on “**Computer Networks**” from 06 July 2020 to 11 July 2020, organized by Department of Computer Science and Engineering, Arasu Engineering College, approved by AICTE and affiliated to Anna University, Accredited by NAAC and NBA.

### **EXTRACURRICULAR ACTIVITIES**

- Acted as a **Resource Person**, delivered lectures and demonstrated practically on **Internet and Web Surfing & Animation Technologies** in the Refresher Courses organized by Human Resource Development Centre (**UGC - HRDC**), Himachal Pradesh University, Summerhill, (H.P.), Shimla-5.
- **Written Book Lessons** for Bachelor of Computer Applications (BCA) course of International Centre of Distance Education and Learning (ICDEOL), Himachal Pradesh University in the academic Session 2015-2016 for the subject (BCA0204) **Data Structures**.
- Delivered Lectures on **IT and Social Media** during the Induction Training Programme for National Youth Volunteers organized by Nehru Yuva Kendra Shimla, an Organization of **Ministry of Youth Affairs and Sports, Govt. of India** at State Institute of Education Management and Training (**SIEMAT**), Shyamlaghat, Shimla.
- Acted as **Co-ordinator** of internal periodical examinations, internal and external practical Examinations at UIIT, Himachal Pradesh University.
- Worked as **Paper Evaluator** for Undergraduate Courses in Bachelor of Computer Applications (BCA) in Himachal Pradesh University.
- Acted as **Project Guide** in System Analysis and Design projects, Minor Projects and Major projects of the students of B.Tech (IT & CSE) at UIIT. Also taught as a visiting faculty and guided projects of students of MCA, PGDCA and BCA courses run by International Centre of Distance Education and Learning (ICDEOL), H.P. University, Summerhill, Shimla.
- Acted as **External Examiner** in various subjects of MCA, PGDCA and BCA courses run by International Centre of Distance Education and Learning (ICDEOL), H.P. University, Summerhill, Shimla.
- Assisted in various co-curricular activities of the students of Himachal Pradesh University.

- **Member of Organizing Committee** for 2 Days International Conference on Recent Innovations in Computer Science and Information Technology (**RICSIT**) held on 23<sup>rd</sup> May. 2016 organized by University Institute of Information Technology (UIIT), in Collaboration with Department of Computer Science (DCS), Himachal Pradesh University, Summerhill Shimla.
- Acted as **Rapporteur** in the International Conference on Recent Innovations in Computer Science and Information Technology (**RICSIT**) held on 23<sup>rd</sup> May. 2016 organized by University Institute of Information Technology (UIIT), in Collaboration with Department of Computer Science (DCS), Himachal Pradesh University, Summerhill, Shimla.
- Acted as **Rapporteur** in the International Conference on Recent Innovations in Computer Science and Information Technology (**RICSIT-2017**) held on 19<sup>th</sup> May. 2017 organized by Department of Computer Science (DCS) in Collaboration with University Institute of Information Technology (UIIT), Himachal Pradesh University, Summerhill, Shimla.
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- **Member of Management Committee** for 5 Days Annual Techno-Cultural Fest of UIIT, UTKARSH-2018 held on 2 November to 5 November 2018 as a part of *Students' Attendance & Discipline Committee* organized by Engineering Technology Students' Association (ETSA).
- **Member of Management Committee** for 5 Days Annual Techno-Cultural Fest of UIIT, UTKARSH-2018 held on 2 November to 5 November 2018 as a part of *Technical Management Committee* organized by Engineering Technology Students' Association (ETSA).

## **PROJECT GUIDANCE**

- Worked as a team member in an **Android App Project** named as "**QUICK LEARN**" developed for Pre-examination coaching centre (**PECC**) of Himachal Pradesh University (HPU) using Android Studio as platform with Java, XML, Wamp Server and SQLite Database.
- Worked as a **Project Guide** and co-guide for the Analysis, Design and Development of the various Major projects of students of B.Tech, MCA, PGDCA and BCA.
  - Online Registration System for Entrance Examination System of HP-UIIT using Microsoft ASP 3.0 and MS-Access as Database.
  - Online Examination Portal using Java, Wamp Server and Mysql as Database.
  - e-learning/Smart class project in ASP 3.0 and Oracle as Database.
  - Online Examination System using PHP and MySQL.
  - Library Management System in C.
  - Online music store in PHP and front end HTML/CSS/Javascript.
  - Airlines Management System using C/C++.
  - Employee Payroll System using Visual Basic and backend as Oracle.
  - Online Shopping System using Java.
  - Inventory Control System using C++.
  - Online Website for Govt. Senior Secondary School Summer Hill using PHP/CSS and MYSQL.
  - Etc.

## **PROJECTS UNDERTAKEN**

- > **File Management System at Bharat Sanchar Nigam Limited (BSNL), Distt. Mandi Himachal Pradesh**  
Developed a system called File Management System during the Project Training using in B.tech. using Visual Basic. The project provided the facility for the staff to access efficiently various records of offices and their customer files available.
- > **Attendance Management System**  
Developed a project called Attendance Management System using Pre-processor HyperText Language (PHP) at UIIT. The database was handled by Microsoft Access at the back end.
- > **Online Shopping Cart System**  
Developed a project called Online Shopping Cart System using Java at UIIT. The database was handled by Oracle at the back end.
- > **Minor Thesis on “An Analysis of Cloud Computing Security Issues”**  
Written minor thesis on analyzing cloud computing security issues during M.Tech which was aimed at analyzing the existing cloud security issues.
- > **Major Thesis on “Multi-authentication in Cloud Computing: A Framework”**  
Written Major thesis on Multi-authentication in Cloud Computing: A Framework during M.Tech. It includes to analyze the existing cloud single-authentication framework for cloud security, literature review study, to propose a framework for multi-authentication in cloud computing. An analysis carried on to measure the strength of the proposed framework and comparison with the existing framework based upon probability measure techniques.

## **TECHNICAL SKILLS**

- > **Languages Known**  
C, C++, Core Java, Web language HTML.
- > **Operating Systems Known**  
DOS, Windows 95/98/2000/XP/7/8/10
- > **Database Known**  
Oracle (SQL, PL/SQL), Microsoft Access
- > **Subjects Taught**  
Data Structures and Algorithms, Programming in C, Operating System Concepts, Linux/Unix, DBMS, Web Technology, Software Project Management, Cloud Computing, Information Security etc.

## **AREA OF INTEREST**

- > Operating Systems, Data Structures and Algorithms, Cloud Computing, Data Security.

**PERSONAL PROFILE**

Father's Name : Late Sh. Ramesh Chand  
Date of Birth : 12.04.1988  
Languages Spoken : English, Hindi.  
Nationality : Indian.

**Date: 06-07-2023**  
**Place: Una**

**(SATISH KUMAR)**