

Curriculum Vitae

Personal Information

Name **Sachin Upadhyay**
Father's Name Late Shri P.K. Upadhyay
Date of Birth 20th February 1983
Address 28-Sushil Enclave, Gwalior Road, Jhansi (U.P.)
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Academic Qualifications

1. Ph.D. (Computer Science) from Bhagwant University, Ajmer, Rajasthan in 2012.
 - Topic of Research:
“Analysis of Attack on RSA Through formal Verification Methods”
2. MCA from Bundelkhand University, Jhansi in 2008.
3. B.Sc. (PCM) from Bundelkhand University, Jhansi in 2005.
4. Intermediate from Cathedral College, Jhansi (I.S.C.E Board), in 2002.
5. High School from Cathedral College, Jhansi (I.C.S.E. Board), in 2000.

Additional Activities

1. 90 days Summer Training in 2007 in .NET on live Projects from **AAPSYS Consultancy Services, Jhansi (U.P)**
2. Completed 6th SEM project training on Point of Sale in **HCL INFOSYSTEM LTD**, Noida (U.P) based on .NET Platform.
3. Certificate in **computer networking** (90% grade) from hardware cavesa registered institute. (Reg. J-0087A).

4. Certificate in `C` **Programming** from Academy Of Professional Training having Reg. No. (UP 1860 J-14451) with (82 %). Marks.
5. Certificate of Participation in Internship Program “**Inspire Intership-2013**” organized by Department of Sciences and Technology, Govt. of India, New Delhi from 05/07/2013 to 09/07/2013.
6. Certificate of Participation in Internship Program “**Inspire Internship-2014**” organized by Department of Sciences and Technology, Govt. of India, New Delhi from 20/01/2014 to 24/01/2014.

Work Experience

- Worked as a Teaching Assistant in the Department of Mathematical Sciences & Computer Applications, Bundelkhand University, Jhansi from 25th November 2008 to 10th October 2013.
- Working as an Assistant Professor in the Department of Mathematical Sciences & Computer Applications, Bundelkhand University, Jhansi from 11th October 2013 to till date continue.

Memberships

- Life Member of Computer Society of India (CSI) **Membership No: I1152940** of Jhansi Chapter.
- Senior Member of International Association of Computer Science and Information Technology (IACSIT) Singapore **Membership No. 80347752.**
- Member of CSTA, Computer Science Teachers Association, New York, NY **Membership No: 8050978.**
- Life Member of Indian Science Congress Association (ISCA) having **Membership No. L23955** Kolkata, WB, India.
- Life Member of CRSI (Cryptology Research Society of India) having **Membership No. L/0687** Kolkata, WB, India.
- Life Member of B.S.N.V. Vigyan Parishad having **Membership No. BSNVVP-0172** Charbagh Lucknow, UP, India.

- Life Member of International Academy of Physical Sciences (IAPS) having **Membership No. N15283** University of Allahabad, UP, India.

Courses Taught

- MCA/ BCA/B.Sc.(CS)/B.Sc.(IT)/B.Sc. (H)(Mathematics, Statistics & Computer Sc.)
Operating System, Java Programming, Computer Fundamental & Programming
- M.Sc.(Statistics with Computer Programming)
Object Oriented Programming, Computer Fundamental and ‘C’ Programming

International Conferences/ National Conferences (Paper Presented)

1. Presented paper (Online) in International Conference on **Mathematical Techniques and Applications** on **13, June 2020**, titled “**Impact of Covid-19 on Cyber Security Field**” held at LNCT Bhopal, MP.
2. Presented paper in International Conference on **Emerging Trends in Computing Technology and Management** on **7-9, February 2019**, titled “**Cloud computing research areas & its applications**” held at Technocrats Institute of Technology Bhopal, MP.
3. Presented a paper in National Conference on “**Communication, Integrated Networks & Signal Processing**” (**CINSP-2018**), titled “**Ongoing Challenges and Research Opportunities in Internet of Things (IOT)**” organized by Department of Electronics & Communication Engineering, Amity University, Madhya Pradesh on January 31 2018.
4. Presented a paper in International Conference on “**Frontiers of Science & Technology**” **ICFST-2017** On 06th – 07th January, 2017, Organized by Department of Applied Sciences, KIET Group of Institutions. Titled “An EOQ Inventory model for items with deterioration, shortage and ramp type demand rate”.
5. Presented a paper in International Conference on “**Recent Trends in Engineering Science & Management**” (**ICRTE SM**) organized by AR Research Publications in Jawaharlal Nehru University (JNU) New Delhi, on March 15 2015.
6. Presented a paper in International Conference on “**Computational Intelligence and Communication Systems**” organized by IEEE & MIR Labs in Gwalior, from Oct. 7-9 2011, pp 35.

7. Presented a paper in National Conference on **“Web Services, Computing and Communication Technology”** organized by Yagyavalkya Institute of Technology, Jaipur (Rajasthan), in association with CSI, Chennai from April 15-16,2011, pp 117.
8. Presented paper in International Conference on **“Reliability, Infocom Technology and Optimization”** organized by Lingaya’s University, Faridabad, in association with CSI Delhi Chapter from Nov. 1-3, 2010, pp 163-179.

International or National Conference Attended / Seminar / Workshops Attended/Training Programs/Faculty Development Program

1. Participated in **“Two weeks Faculty Development and Motivational Workshop”** (STEAM-2022) jointly organized by Bundelkhand University, Jhansi and Shiksha Sopan Kanpur under the Mentorship of Padmashri Prof. H.C. Verma from 22nd August to 05th September 2022.
2. Attended Vigyan Mahotav jointly organized by Bundelkhand University, Jhansi & Vigyan Bharti, Jhansi from 01st February to 28th February 2022.
3. Participated in Awareness Seminar on **“e-Learning and MOOCs in Higher Education”** organized by Guru Angad Dev Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi and held at Bundelkhand University, Jhansi on 24th January 2019.
4. Attended International Conference On **“Computing, Analytic and Networking” (ICCAN-2017)** organized by School of Computer Engineering, KIIT Deemed to be University, Bhubaneswar, India during December 15-16, 2017.
5. Participated & Coordinated Plenary Session in 23rd Annual conference on Vijnana Parishad of India on **“Recent Developments in Mathematics, Optimization and Computational Sciences (RDMOCS 2021)”** organized by Department of Mathematical Sciences & Computer Applications, Bundelkhand University, Jhansi UP, on September 06 – 10, 2021.
6. Attended short term training program on **“Object Oriented Programming Concepts using C++/Java”** organized by Department of Mathematics & Computer Applications, Maulana Azad National Institute of Technology Bhopal (M.P) during 31Oct to 01 Nov 2015.
7. Attended training workshop on **“Plagiarism prevention tool (Turnitin & iThenticate)”** organized by iGroup Infotech India Pvt. Ltd. at Bundelkhand University, Jhansi on 6th December 2014.

8. Participated in the National Workshop on “**Cryptology**” (NWC) organized by PDPM Indian Institute of Information Technology Design and Manufacturing Jabalpur (MP) on September 25-27, 2014.
9. Attended Faculty Development Program organized by Dream Uny Education Pvt. Ltd. At Bundelkhand University, Jhansi (U.P) during September 01-07, 2014.
10. Attended workshop on “**Cloud computing**” organized by Bundelkhand University, Jhansi (UP) on March 19-21, 2012.
11. Attended workshop on “**Mathematical and Computational Sciences**” sponsored by: UGC, New Delhi, organized by Bundelkhand University, Jhansi on March 30, 2011.

Journals International/ National

1. **Sachin Upadhyay and Seema Singh** an International Journal of Computer Science and Mobile Computing (IJCSMC) ISSN: 2320-088X having an Impact factor 7.056 “**Ongoing Challenges and Research Opportunities In Internet of Things (IOT)**” having DOI [10.47760/ijcsmc.2022.v11i12.006](https://doi.org/10.47760/ijcsmc.2022.v11i12.006) Vol. 11 Issue 12, pp 61-64 December 2022.
2. **Sachin Upadhyay** an International Journal for Research Trends and Innovation (IJRTI) ISSN: 2456-3315 having an Impact factor 8.14 “**Impact of covid-19 on Cyber Security Field**”having DOI Member: 10.6084/m9.doione.IJRTI2207275 Vol. 7 Issue 7, pp 1571-1573 July 2022.
3. **Upadhyay Sachin, Jain Kumar Amit** an International Journal of Advance Research in Science and Engineering (IJARSE) ISSN 2319-8354(E) having Impact factor 1.142“**Factor Affecting Performance of RSA Cryptosystem**” Vol. 4 Special Issue (01), pp 432- 435 March 2015.
4. Jain Kumar Amit, Singh Yashpal, Pandey K.K and **Upadhyay Sachin Upadhyay**Indian journal of mathematical and computer science, ISSN 2249-2070 “**Assaults Touching Computer Links**”Vol.-2 Part-1, pg 52-54, 2013.
5. Jain Kumar Amit, Singh Yashpal and **Upadhyay Sachin** Indian journal of mathematical and computer science, ISSN 2249-2070 “**Information Security: A review**” Vol.-2 Part-1, pg 26-30, 2013
6. **Upadhyay Sachin, Singh Yashpal** Journal of Theoretical and Applied Information Technology ISSN 1992-8645& E-ISSN 1817-3195 “**Cryptanalysis of RSA Through formal Verification Tools** ”Vol.39 Issue 1, pp 17-21 May 2012.

7. **Upadhyay Sachin**, Singh Yashpal and Jain Kumar Amit an International Journal of Soft Computing and Engineering ISSN 2231-2307 “**An Analysis of the Attack on RSA Cryptosystem through Formal Methods**” in Vol. 2, Issue 2, pp 429-432 May 2012.
8. Jain Kumar Amit, Singh Yashpal, Pandey K.K and **Upadhyay Sachin** International Journal of Scientific and Engineering Research, ISSN 2229-5518“**Analysis of Internet Security Measures Surrounding the World**” April Vol. 3, Issue 4, April 2012.
9. **Upadhyay Sachin** International Journal of Scientific and Engineering Research ISSN 2229-5518“**Attack on RSA Cryptosystem**” Vol. 2, Issue 9, September 2011.

Administrative Experience

1. Appointed as Center Superintendent (CS) for BA Annual examination 2018 in the Pandit Umashankar Naryan Hari Degree College, Raeuta Hamirpur (College Code-741) during 04/04/2018 to 13/04/2018.
2. Paper setter & Examiner for the Semester Examinations for UG Courses (BCA/B.Sc. (CS)/B.Sc. (IT)) & PG Courses (M.Sc. (Statistics with Computer Programming)).
3. Appointed as CS for the Competitive Examination conducted by Lok Sewa Aayog, Allahabad (PCS) in the 2018 & 2019.
4. Appointed as ACS & Chief Invigilator for the Entrance Examination (B. Ed, ITI, and UPTU) conducted in and by the Bundelkhand University, Jhansi in the year 2017, 2018, 2019
5. Appointed as a Practical External Examiner for MCA/ MBA/ BCA Courses.
6. Appointed as ACS for the Semester & Annual examinations conducted by the Bundelkhand University, Jhansi in the year 2019, 2020, 2021, 2022.

Additional Activities

1. Acted as Organizing Secretary in the 2nd International Conference Vijnana Parishad of India “**Recent Trends of Computing in Mathematics, Statistics & Information Technologies**” (ICRTCMSIT-2018) Organized by Department of Mathematical Sciences & Computer Applications, Bundelkhand University, Jhansi, UP, India during(March 9-11, 2018).

2. Acted as Joint Organizing Secretary in the 2nd International Conference on **Soft-Computing: Theories and Applications (SoCTA-2017)**, Organized by Institute of Engineering & Technology, Bundelkhand University, Jhansi, India during (December 22-24, 2017).

Declaration

I hereby certify that all the particulars stated above are to the best of my knowledge and believe true and fair. For any misrepresentation or omission of fact I shall be personally liable.

(Dr. Sachin Upadhyay)

Dated: 31/03/2023

Place: Jhansi