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# RAMESH NARWAL

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## PROFILE

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Result driven individual with excellent working experience, expertise in analysing, team management, motivational skills and communication skills. Ability of coordinating multiple activities simultaneously with ease. Demonstrate technical problems solving skills and can handle several critical situations with ease and grace.

## RESEARCH AREA

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Social Data Analytics, Human Behaviour Prediction, Machine Learning, Network Security, Vulnerability Assessment and Penetration Testing (VAPT)

## ACADEMICS HIGHLIGHTS

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- » GATE Qualified
- » 3 Times UGC NET Qualified
- » Himachal SET Qualified
- » HTET Qualified
- » M.Tech. with Distinction

## TEACHING EXPERIENCE

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- (Sept'22 - Today) *Working as Assistant Professor in Department of Computer Science & Engineering, University Institute of Engineering, Chandigarh University, Punjab, India*
- (Mar'21 – Jun'22) *Worked as Guest Faculty in Department of Computer Science & Engineering, Sant Longowal Institute of Engineering & Technology, Longowal, Punjab, India*
- (Jan'20 – Feb'21) *Worked as Guest Faculty in Department of Computer Engineering, Punjabi University, Patiala, Punjab, India*
- (Jul'19 – Dec'19) *Worked as Guest Faculty in University School of Applied Management Department, Punjabi University, Patiala, Punjab, India*
- (Jan'19 - May'19) *Worked as Guest Faculty in Department of Pharmaceutical Sciences & Drug Research, Punjabi University, Patiala, Punjab, India*
- (Jul'18 - Dec'18) *Worked as Guest Faculty in University School of Applied Management Department, Punjabi University, Patiala, Punjab, India*

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- (Mar'18 – Jun'18) *Worked as Part Time Lecturer in IAS & Allied Services Training Centre, Punjabi University, Patiala, Punjab, India*
- (Jul'17 - Dec'17) *Worked as Guest Faculty in Department of Computer Engineering, Punjabi University, Patiala, Punjab, India*
- (Jul'17 - Dec'17) *Worked as Guest Faculty in University School Of Applied Management Department, Punjabi University, Patiala, Punjab, India*
- (Mar'17 – Jun'17) *Worked as Part Time Lecturer in IAS & Allied Services Training Centre, Punjabi University, Patiala, Punjab, India*
- (Dec'16 – Jan'17) *Worked as Part Time Lecturer in IAS & Allied Services Training Centre, Punjabi University, Patiala, Punjab, India*
- (Aug'15 – Aug'16) *Worked as Assistant Professor in JSSDC, Patiala, Punjab, India*

## EDUCATION

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- 2016-present    **Doctorate of Philosophy in Computer Engineering**  
    » Punjabi University Patiala, India
- 2013-2015      **Master of Technology (Computer Engineering)**  
    » Punjabi University Patiala, India  
    » With Distinction
- 2007-2011      **Bachelor of Technology (Computer Science and Engineering)**  
    » MDU, Rohtak, Haryana, India  
    » Grade: First division

## RESEARCH

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- Ph.D. Work (Aug'16 – Present)    ***Sensing and Modeling Human Behaviour from Social Data***  
    » Advisor/Guide: Dr. Himanshu Aggarwal  
    » Institute: Department of Computer Engineering,  
    Punjabi University, India
- Master Thesis (Jan'15 – Jun' 15)    ***Penetration Testing in Virtual and Real Environment***  
    » Advisor: Dr. Gaurav Gupta  
    » Institute: Department of Computer Engineering,  
    Punjabi University, India

## RESEARCH PUBLICATIONS / PATENT

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- » Granted innovation patent on "An Artificial Intelligence Based System for Emotional Recognition" by IP Australia, Sept., 2020.
- » Publish Research Paper entitled "Predicting Online Games Addicted Behaviour with Sentiment Analysis using Twitter Data" in LNEE of Springer, 2022. **(SCOPUS Indexed)**

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- » Published Research Paper on “Identification of Hate Speech Using Explanation Artificial Intelligence” in Design Engineering, Volume 02, 2021. **(SCOPUS Indexed)**
  - » Published Book Chapter on "Human Behaviour Prediction and Artificial Intelligence" is accepted for the publication in the book, titled "AI and Global Society: Impact and Practices" to be published by CRC Press, Taylor and Francis Group, Chapman & Hall Publications, USA, 2021.
  - » Publish Research Paper on “Proposed Model for the Solution of Challenges Perceived in Massive Open Online Courses” in Elementary Education Online, Volume 19, 2020. **(SCOPUS Indexed)**
  - » Publish Research Paper on “Human Behaviour Patterns Modeling from Social Data Analytics: A Review Paper" in the International Journal in Applied Studies and Production Management (IJASPM), Volume 4, Issue 3, 15 May 15 August 2018. **(UGC Approved Journal)**
  - » Publish Research Paper on “Big Social Data Analytics for Human behaviour Prediction Platform: A Futuristic Approach” in the International Journal in Applied Studies and Production Management (IJASPM), Volume4, Issue 2, 15 Feb 15 May 2018. **(UGC Approved Journal)**
  - » Publish Research Paper on “Securing Networks Using Network Penetration Testing” in the International Journal for MultiDisciplinary Engineering and Business Management (IJMDEBM), Volume – 3, Issue – 1, JanuaryMarch, 2015. **(UGC Approved Journal)**
  - » Publish Research Paper on “Tracks Covering in Penetration Testing and Cyber Attack” in the International Journal in Applied Studies and Production Management (IJASPM), Volume1, Issue 3, 15 May 15 August 2015. **(UGC Approved Journal)**

## CONFERENCES

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- » Presented Research Paper on “Proposed Integrated Framework for Emotion Recognition: A Futuristic Approach” in the International Conference on Computational Intelligence in Analytics and Information Systems, 2021 organized by Department of Computer Science and Technology, Manav Rachna University, Faridabad, India.
- » Presented Research Paper on “Predicting Online Games Addicted Behaviour with Sentiment Analysis using Twitter Data” in the 2nd International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication (MARC), 2020 organized by Krishna Engineering College, Ghaziabad, India.
- » Participated in International Conference on Information Systems for Indian Languages (ICISIL 2011) Sponsored by Springer, organised by Department of Computer Science, Punjabi University, Patiala.
- » Presented Research Paper on “Forensic Analysis of Scratched/Smashed Optical Storage Devices” in the International Symposium on Emerging Trends in Forensic Science (ISETFS 2010) organized by Punjabi University, Patiala-147002.
- » Presented Research Paper on “SQL Injection Attacks (SQLIA’S) and Defense” in the International Conference on Mathematics and Soft Computing (Applications in Engineering), ICMSC 2010 organized by N. C. College of Engineering, Israna (Panipat).

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## WORKSHOP'S/FDP'S

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- » Participated in one-week AICTE-QIP Course on “Advancements in Computer Science and Information Technology (ACSIT)” at Department of Computer Science and Engineering, Sant Longowal Institute of Engineering and Technology, Longowal, Punjab, India (Dec., 2021)
- » Attended one day online seminar on “Cyber Jaagrookta (Awareness) Diwas” at Department of Computer Science and Engineering, Sant Longowal Institute of Engineering and Technology, Longowal, Punjab, India (Oct., 2021)
- » Participated in two-week GIAN Course on “Computer Security from the Data Science Perspective” at IIT Ropar, Punjab, India (Dec., 2017)
- » Participated in two-day workshop on “Insights of Data Science” at Guru Nanak Dev Engineering College, Ludhiana, Punjab, India (Oct., 2017)
- » Participated in one-week FDP on “CLOUD COMPUTING: APPLICATIONS & ISSUES” at BBSBEC, Fatehgarh Sahib, Punjab, India (July, 2016)

## TECHNICAL SKILLS

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- » Content Management System: WordPress, Joomla, Drupal, Moodle (Learning Management System)
  - » OS / Software / Tools: Linux, Windows 7/8/10/11, Dreamweaver, FileZilla, Apache Server, Apache Tomcat, IIS (Internet Information Server), JCreator, NetBeans, Spyder, PyCharm
  - » Programming Languages Technologies: R, Python, Flask, C#, ASP.NET C, C++, JavaScript, jQuery, PHP, HTML5, CSS, MySQL, MS-Access, JAVA, JSP
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