

## Deepak Gupta

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### Biography

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Deepak Gupta is working as Assistant Professor in the Department of Computer Science & Engineering at Jaypee University of Information Technology, Waknaghat (India). He has completed his Ph.D. in Computer Science & Engineering from Thapar Institute of Engineering and Technology (Deemed to be University), Patiala (India). Prior to his foray into academia, he worked in IT industry for a decade performing different roles in software product development and program management. In academics, he has gained extensive experience in teaching, research, and academic administration over the past decade. In all, he has more than 22 years of rich experience in IT industry and academics. His research interests include big data analytics, cybersecurity, machine/deep learning, and programming languages.

### Work Experience Summary

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#### 🚦 Academics

- Around 12 years of rich experience in teaching undergraduate and post-graduate students.
- Quality publications in SCIE indexed journals.
- Exposure in leading the department and institution.
- Good understanding of academic policies and administration.

#### 🚦 IT Industry

- Around 10 years of proven experience in product research, analysis, design, development and installation of Windows based applications.
- Wide exposure in the fields like network management system (NMS), network communication and protocol development, cloud computing, software product implementation, and software project management.
- Profound understanding of theoretical and realistic aspects of C, C++, C# and Core Java.

### Technical Skills

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- ✓ **Languages:** C, C++, VC++, C#, Core Java, Python.
- ✓ **Operating Systems:** Windows, Ubuntu.
- ✓ **Big Data Tools:** Apache Hadoop, Apache Spark.
- ✓ **ML/DL Tools/Libraries:** MLlib, TensorFlow, Keras.
- ✓ **Domains:** Big Data Analytics, NMS, SNMP, RMON, WMI/WBEM.
- ✓ **Design Tools:** Rational RequisitePro, Rational Rose 7.0
- ✓ **Development Processes:** CMM.
- ✓ **Others:** MS Visual Studio, Visual Source Safe, XML, InstallShield.

## Teaching and Research Interests

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### + Teaching Interests

- Big Data Analytics
- Computer System Architecture
- Data Structures
- Operating System
- Programming Languages: C, C++, C#, Core Java and Python

### + Research Interests

- Big Data Analytics
- Cybersecurity
- Machine and Deep Learning
- Programming Languages

## Publications

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For details, please see Google Scholar: <https://scholar.google.co.in/citations?user=9I-v74gAAAAJ&hl=en>