

# RESUME

## Nupur Ahluwalia

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### Career Summary

- Looking for a challenging position in a reputable organization where I can get to expand my learnings, knowledge and skills
- 5+ years teaching experience in institutes of repute
- Qualified UGC NET July 2016 for the post of Assistant Professor.

### Key Skills

- **Computer Languages:** C, C++, Core Java, Python, SQL, HTML, CSS
- **Operating Systems:** Windows, Ubuntu
- **Courses:** Data Structures and Algorithms, Object Oriented Programming, Operating System, Analysis and Design of Algorithms

### Personality Traits

- Enthusiastic about learning new things
- Growth driven, accept responsibilities and willing to expand knowledge and skills
- Confident
- Ready to do new tasks- Positive attitude

### Professional Experience

- **“Indraprastha Institute of Information Technology, IIT Delhi”  
Teaching Fellow (Jan 2022- Present)**
  - Co-Instructor for undergraduate and postgraduate courses like Data Structures and Algorithms, Analysis and Design of Algorithms, Object Oriented Programming and Design, etc.
  - Helping students, managing TAs, managing the tutorials and labs, preparing /conducting /grading exams and tests, etc, and course administration.
  - Instructor in short term courses: Java Programming, Python Programming, Data Structures and Algorithms
- **“Chandigarh University”, Punjab  
Assistant Professor (Sept 2020- May 2021)**
  - Instructor for undergraduate courses like C, C++, Java, etc.
  - Conducting online classes through Chandigarh University Blackboard Software
  - Marking attendance and result through ERP

- **“Indraprastha Institute of Information Technology, IIT Delhi”  
Teaching Fellow (July 2018- July 2020)**
  - Co-Instructor for undergraduate and postgraduate courses like Data Structures and Algorithms, Analysis and Design of Algorithms, Object Oriented Programming and Design, etc.
  - Helping students, managing TAs, managing the tutorials and labs, preparing /conducting /grading exams and tests, etc, and course administration.
  - Instructor in short term courses: Java Programming, Python Programming, Data Structures and Algorithms
  
- **“National Institute of Electronics & Information Technology (NIELIT)”, Haridwar  
Faculty (March 2018- Jul 2018)**
  - Conducted module on ASP.net and C#
  - Conducted classes for basic Web Development using HTML, CSS
  - Trained students for Digital Literacy Courses like BCC, CCC, ECC etc. and some long duration courses like O Level, A Level etc.
  
- **“GNA University”- Phagwara, Punjab  
Assistant Professor (July 2016- Jan 2018)**
  - Instructor in core courses at undergraduate level: Data Structures and Algorithms, Introduction to Java Programming, Computer Architecture, Operating Systems
  - Guiding B.Tech students for Capstone Projects
  - Planning, preparing and conducting lectures
  - Making syllabus, lesson plans and question papers for the assigned courses
  - Doing the attendance and result analysis of the students
  - Conducting class tests, mid-terms and practical for students.

### **Academic Qualifications**

- M.Tech (CSE) from Lovely Professional University in 2016 with 73%.
- B.Tech (CSE) from Lovely Professional University in 2014 with 70%.
- HSC from St. Mary’s Sr. Secondary School, Hardwar, in 2010 with 76%.
- SSC from St. Mary’s Sr. Secondary School, Hardwar, in 2008 with 85 %.

### **Research Work**

- **Research Area:** Threat Detection through Data Analytics
- **Objective:** Improving the security of organizational data through threat detection
- **Description:** This research study focuses on improving the security of data stored in the organizations by the detection of threats to it. The research study focuses on detecting a special kind of threat called Advanced Persistent Threat (APT), which is the most recent cyber threat and very difficult to detect.