

## SHIVANI PAHUJA

**OBJECTIVE** To obtain a position in teaching that will allow me to use my strong passion for student development coupled with skills and experience. Also to encourage creativity and higher-order thinking in a way that increases student performance.

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### SKILLS & ABILITIES

#### HARD SKILLS

- Tools – MATLAB, Nmap, Wireshark, Visual Studio, Thunkable, Cisco Packet Tracer.
- Languages – English, Hindi.
- Coding Languages – C, Python, C++.
- Web Designing-HTML, CSS, JAVASCRIPT, jQUERY.
- Training and mentoring students.

#### SOFT SKILLS

- Highly communicative and vigilant in offline as well as online discipline while remaining at the other end of the terminal.
- Reflect teaching philosophy whether teaching a class or just an individual student.
- Carries on enhancing professional, interpersonal and communicative skills.
- Willing to learn with positive mental attitude.
- Problem Solving, Creativity, Teamwork.

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### SUBJECTS TAUGHT

- Data Communication and Computer Networks.
- Network Security and Cryptography.
- Fundamentals of programming with C.
- Programming with C++.
- Operating System.
- Data structures.
- Design and Analysis of Algorithm.
- Compiler Design.
- VB.net
- Theory of Computation.

- Web Designing.
  - HTML, Javascript, JQuery, CSS, Scratch Programming.
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## EXPERIENCE

### **SURENDERA GROUP OF INSTITUTIONS SRI GANGANAGAR, RAJASTHAN**

#### **Assistant Professor**

Aug,2017-Feb,2021.

- Planned class material to engage students in both online and in-person class environments.
- Built strong student rapport by driving classroom and online discussions and providing academic advisement.
- Tutored students requiring additional assistance to improve overall comprehension of difficult concepts.
- Administered and graded tests and assignments to evaluate student performance and monitor progress.
- Directed full classrooms of students to develop various kinds of research.
- Collaborated with professor to manage education projects from start to finish.
- Maintained student engagement through creative subject delivery and learning activities.
- Created lesson plans and developed instructional materials covering all required topics and learning objectives.
- Performed research in Visual Cryptography and published papers in International national journals and Conferences.

### **TENBYTEN**

#### **Online Coding Tutor and Mentor**

April,2020-June,2022(Part-time)

- Conducting classes online in conversational English, using a video conference teaching.
  - Teaching students from around the world in a virtual-classroom and utilizing technologies to teach them the following coding languages.
1. Scratch Programming. (Block-Based Visual Programming Language)
  2. HTML and CSS(Web-Development)
  3. Javascript and JQuery(Web-Development).
  4. Mobile Application Development (using Thunkable).

5. Artificial Intelligence and Machine Learning.

- Identified student's weakness and accordingly develop study plans.
- Made reminder calls to students before each session.
- Explaining in depth the principles of coding and basic computer science concepts.
- Focusing specifically on the weak areas and making an individualized learning plan that suits each student.
- Interacting with people of diverse backgrounds, cultures, ages, and educational levels using several different online media.

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**ARAVALI COLLEGE OF ENGINEERING AND MANAGEMENT, FARIDABAD, HARYANA**

**Assistant Professor**

Nov,2021-Aug,2022

- Develop lesson plans and prepare students for exams.
- Built strong student rapport by driving classroom and online discussions and providing academic advisement.
- Supervised student growth and improvement through quizzes, essays, and exams.
- Imparting Web Development as value added course to the B.Tech Students.
- Imparting knowledge and skills to the Management students.
- Delivering Lectures on Information Technology and Computer Applications for Business.

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**ANALYTIXLABS**

**Senior Data Analytics and Data Science Trainer**

Aug,2022-present.

- Working with Data Visualization and Analytics Modules, further which have various parts i.e MS-Excel, SQL, and Tableau.
- Imparting training on DVA to the students as well as corporate people.
- Got training on different fields of python.

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**EDUCATION**

**Bennett University , Greater Noida, Uttar Pradesh**

Phd(Computer Science and Engineering)  
(Pursuing)

**Thapar University Patiala, Punjab**

Master of Engineering Computer Science & Engineering

Year of Completion : August 2017

Completed continuing education in Computer Science & Engineering with Specialization in Information Security.

Thesis: Privilege Based Visual Secret Sharing Scheme For Digital Images.

CGPA: 8.54

**Rajasthan Technical University Kota**

Bachelor of Technology Computer Science & Engineering

Year of Completion : June 2014

CGPA: 8.14

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**ACCOMPLISHMENTS**

- UGC-NET Qualified-2018 in the area of Computer Science & Applications.
- Member of Edwin Group of Journals (Editorial Member), E-ELSEVIER.
- Certified for Attending TEQIP-III Sponsored Faculty development program on "Research Methodology" at Surendera Group of Institutions, SGNR, March, 2018.
- Certified with NIIT individual effectiveness and communication skills.
- Certified for attending 5-days Data Science Workshop by GreyAtom.
- Certified for Attending Faculty development program on "Decentralizing Trust with Blockchain Technology " at Aravali College of Engineering & Management, Faridabad, Feb, 2022.
- Certified for completing the course training on "AZ-900: Microsoft Azure Fundamentals" at Aravali College of Engineering & Management, Faridabad, Feb, 2022.
- Certified for Attending one week AICTE Sponsored STTP on "Blockchain Technology and Networks" organized by the department of Computer Engineering, J. C Bose University of Science and Technology, YMCA at Aravali College of Engineering & Management, Faridabad, March, 2022.

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**TECHNICAL  
PUBLICATIONS**

- Shivani Pahuja and Singara Singh Kasana, "Halftone Visual Cryptography for Color Images", IEEE International Conference on Computer, Communication and Electronics (Comptelix-2017).

- Shivani Pahuja and Singara Singh Kasana, "A Novel Scheme of Visual Secret Sharing using Privilege AssignedShares", Oxford Journal of Intelligent Decision and Data Science 2018.
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PERSONAL DETAILS

- **Name-** Shivani Pahuja.
- **Date of Birth-** Jan 04,1992.
- **Marital Status-** Married
- **Nationality-** Indian

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DECLARATION

**I hereby declare that the above furnished details are true to the best of my knowledge and belief.**

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**Date:26-10-2022**