KM VANDNA
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Professional Summary

I am passionate and result-oriented academician with over 3 years of experience in teaching and lab instruction in Computer Science & Engineering. Proficient in curriculum design, student mentoring, and academic evaluation. Demonstrated expertise in data analytics, machine learning, and modern programming technologies. Strong commitment to outcome-based education and lifelong learning.

Work Experience

Assistant Professor – Department of Computer Science and Engineering
Babu Banarasi Das University (BBDU), Lucknow
March 25, 2025 – Present

- Teach and guide postgraduate students, focusing on advanced topics like DBMS, Computer Network with real-world applications.
- Analyse student performance data to support academic planning and decision-making.
- Actively participate in university cultural programs to foster student engagement beyond the classroom.

Assistant Professor – Department of Computer Science and Engineering
Raja Balwant Singh Engineering Technical Campus, Bichpuri, Agra
October 3, 2024 - March 25, 2024

- Delivered lectures to undergraduate students in subjects aligned with the Computer Science curriculum.
- Guided students through hands-on projects, reinforcing theoretical concepts with practical implementation.

Lecturer (Computer Science), **Bhaavya Technical Institute, U.P.**
21 September 2021 – 9 September 2024

- Deliver undergraduate lectures in core Computer Science subjects (e.g., Data Structures, DBMS, Programming Languages).
- Engage in curriculum development aligned with university guidelines and AICTE standards.
- Mentor and advise students for academic and professional growth.
- Conduct internal assessments, viva exams, and continuous evaluation.
- Support NAAC/NBA documentation and prepare lesson plans and teaching materials.

Lab Instructor (Computer Science), **Eshan College of Engineering, U.P.**
August 2018 – March 2021

- Supervised laboratory sessions for programming and computer networks.
- Assisted in the development and evaluation of lab manuals and practical assignments.
- Ensured lab infrastructure and systems were operational and updated.

Academic Background

- M.Tech (Master of Technology)
  Eshan College of Engineering, Mathura, U.P.
  2024 | Computer Science Engineering | Grade: 86%
- B.Tech (Bachelor of Technology)
  Eshan College of Engineering, Mathura, U.P.
  2022 | Computer Science Engineering | Grade: 79%
- Polytechnic Diploma
  Bhavya Technical Institute, U.P.
  2018 | Computer Science Engineering | Grade: 78%
- UP Board (12th)
  S.G.S.S Girls Inter College, U.P.
  2014 | Science Stream | Grade: 75%
- UP Board (10th)
  S.G.S.S Girls Inter College, U.P.
  2012 | Science Stream | Grade: 72%

Research Work

01 M.Tech Thesis
   Customer Segmentation Using Machine Learning Algorithms
02 Research Papers:

- Customer Segmentation Based on Online Shopping Using K-Means Algorithm
  International Journal of Scientific Research and Engineering Development
  Volume 7 Issue 2, Mar-Apr 2024
  https://www.ijsred.com/volume7/issue2/IJSRED-V7I2P145.pdf
- Elbow Method for Optimal Customer Segmentation Using K-Means Clustering
  International Journal of Scientific Research and Engineering Development
  Volume 7 Issue 3, May-Jun 2024
  https://www.ijsred.com/volume7/issue3/IJSRED-V7I3P92.pdf

Technical Skills

Programming Languages: **Python, JavaScript, HTML, CSS, SQL**
Data Analysis Tools: **Pandas, NumPy, Matplotlib**
Office Tools: **MS Office, PowerPoint, Google Docs**
Learning Platforms: **Moodle, Google Classroom**

Core Competencies

- Curriculum Design & Development
- Academic and Career Advising
- Outcome-Based Education (OBE)
- Research Writing & Paper Publication
- Seminar and Workshop Organization
- Team Collaboration and Student Engagement

Soft Skills

- Strong communication and presentation skills
- Self-motivated and disciplined
- Excellent time management
- Creative and adaptable teaching methods