

SUPRIYA KUMBHAR

M.Sc. Computer Science

+91 8767280845 | supriyakumbhar18103@gmail.com | Kolhapur, Maharashtra

CAREER OBJECTIVE

Passionate and academically accomplished Computer Science postgraduate with an M.Sc. (CGPA 9.23) and B.Sc. (CGPA 8.86) from Vivekanand College, Kolhapur. Strong knowledge of Computer Science concepts, good communication skills, and a keen interest in teaching and sharing knowledge. Dedicated to helping students develop problem-solving and analytical thinking skills while contributing to a positive and effective learning environment.

ACADEMIC QUALIFICATIONS

M.Sc. in Computer Science

2024 – 2026

Vivekanand College, Kolhapur | Percentage: 87.36% | CGPA: 9.23 / 10.00

B.Sc. in Computer Science

2021 – 2024

Vivekanand College, Kolhapur | CGPA: 8.86 / 10.00

TECHNICAL SKILLS

- Programming Languages: Python, Java
- Web Framework: Flask (Micro Web Framework)
- Frontend Technologies: HTML, CSS
- Database System: MySQL
- Data Science: NumPy, Pandas, Matplotlib
- ML Libraries: Seaborn, Scikit-learn
- Tools: WEKA (ML preprocessing), Git (basic)
- Deployment: Web app hosting, routing & APIs

ACADEMIC STRENGTHS & COMPETENCIES

- Strong conceptual understanding of core Computer Science theory subjects including OS, DBMS, TOC, Computer Networks, Data Structures & Algorithms, Cyber Security and Discrete Mathematics.
- Hands-on experience with data science tools and ML techniques — enabling practical, application-oriented teaching of AI and Data Science courses.
- Effective communication skills in English, Hindi, and Marathi — well-suited for diverse student audiences.
- Strong academic record across all levels of education, demonstrating consistency, discipline, and scholastic aptitude.
- Ability to bridge theory with real-world applications, helping students understand the practical relevance of core CS concepts.

PROJECT EXPERIENCE

1. CO-PO Articulation Matrix & Attainment Calculation System

M.Sc. Major Project

Domain: Academic Management System | Outcome-Based Education

- Developed a comprehensive web-based academic management tool for automating CO (Course Outcome), PO (Programme Outcome), and PSO (Programme Specific Outcome) mapping and attainment calculations.
- The system reduces manual effort for faculty by auto-generating articulation matrices, computing direct and indirect attainment, and producing ready-to-submit accreditation reports.
- Integrated visual charts and downloadable report generation to assist departments during NAAC and NBA accreditation cycles.
- Demonstrates deep understanding of OBE principles, curriculum design, and institutional academic quality processes — directly applicable in a teaching role.

2. Online Portal for Green Metrics Analysis

B.Sc. Project

Domain: Environmental Computing | Web Application Development

- Designed and built an end-to-end web portal to measure and report key sustainability indicators: carbon footprint, energy consumption, water usage, and waste output.
- Implemented dynamic dashboards, automated backend calculations, and data visualization to present analytical insights in a student-friendly format.
- Project demonstrates the application of computing for social good — a useful teaching example for Environmental Informatics and Data Analytics courses.

3. Molarity & Normality Calculator Web Application

B.Sc. Project

Domain: Educational Technology | Scientific Computing

- Created a web-based application for computing molarity and normality of chemical solutions, with unit conversion and step-by-step explanatory output.
- Demonstrates the ability to develop educational technology tools, which is valuable for creating digital learning resources for students.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Presented Research Paper: " <i>Web Based System for Automatic Mapping of COs, POs, and PSOs</i> " at the International Conference on Innovations in Science and Technology (ICIST 2026), 2026	2026
Remote Sensing and Digital Image Analysis – IIRS, Indian Institute of Remote Sensing, ISRO	2025
Space Science and Technology Awareness Training (START) – IIRS, ISRO	2025
AICTE ATAL Faculty Development Programme (FDP) – AI for Data Science: Innovation & Application	2024
Employability & Transferable Skill Programme – Mahindra Nandi Foundation	2023

LANGUAGES KNOWN

English, Hindi, Marathi

PERSONAL DETAILS

Full Name : Supriya Krishnat Kumbhar
Date of Birth : 18 Jan 2003
Nationality : Indian
Address : At- Nagaon, Tal- Karveer, Dist- Kolhapur, Maharashtra

DECLARATION

I hereby declare that all the information furnished above is true, complete, and correct to the best of my knowledge and belief. I understand that any misrepresentation or omission of facts may lead to the cancellation of my candidature.

Place: Kolhapur
Date: _____

Supriya Kumbhar