

PRADNYA MALI

M.Sc. Computer Science

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OBJECTIVE

Dedicated Computer Science postgraduate with an M.Sc. and B.Sc. in Computer Science from Vivekanand College, Kolhapur, both with a CGPA of 8.60. Possesses strong knowledge of computer science concepts, good communication skills, and a passion for teaching. Committed to helping students improve their problem-solving and analytical thinking abilities in a positive learning environment.

ACADEMIC QUALIFICATIONS

M.Sc. in Computer Science

2024 – 2026

Vivekanand College, Kolhapur | Percentage: 80.18% | CGPA: 8.60 / 10.00

B.Sc. in Computer Science

2021 – 2024

Vivekanand College, Kolhapur | CGPA: 8.60 / 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 understanding of core Computer Science subjects such as Operating Systems, DBMS, Theory of Computation, Computer Networks, Data Structures & Algorithms, Cyber Security, and Discrete Mathematics.
- Knowledge of Data Science and Machine Learning concepts with hands-on project experience.
- Good communication skills in English, Hindi, and Marathi.
- Consistent academic performance with a strong educational background.
- Ability to explain technical concepts in a simple and practical manner.
- Strong analytical, problem-solving, and logical thinking skills.
- Capable of connecting theoretical concepts with real-world applications to enhance student understanding.

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: "Web Based System for Automatic Mapping of COs, POs, and PSOs" 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 : Pradnya Arun Mali
Date of Birth : 07 Feb 2003
Nationality : Indian
Address : At- Uchgaon, 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: _____

Pradnya Mali