

Tanmay Avinash Kadam

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Ratnagiri, Maharashtra—415612, India

OBJECTIVE

I am a dedicated and passionate individual seeking a position as an Assistant Professor in the field of Computer Engineering or Computer Science, with a special interest in Artificial Intelligence and Data Science. With a strong background in Python, Machine Learning, and academic research, I am committed to delivering quality education and guiding students in innovative and practical learning. My goal is to contribute to impactful research that addresses real-world challenges while continuously growing in the academic field and collaborating with industry for research and development opportunities.



EXPERIENCE

- **Comtranse Technology kolhapur**  June 2022 - August 2022
Web Developer (Internship) Kolhapur, Maharastra
 - Developed a responsive website during my internship.
 - Gaining hands-on experience in HTML, CSS, and JavaScript
 - Implemented responsive design techniques that improved user experience and loading efficiency

EDUCATION

- **Goa College of Engineering** September 2023 - June 2025
Master of Engineering in Information Technology and Engineering Farmagudi, Goa
 - 3rd Sem SGPI: 6.53/10
- **SSPM's College of Engineering** June 2020 - May 2023
Bachelor of Engineering in Computer Engineering Sindhudurg, Maharastra
 - CGPI: 8.75/10
- **Government Polytechnic Ratnagiri** June 2016 - January 2020
Diploma in Computer Engineering Ratnagiri, Maharastra
 - Aggregate marks (%): 60.56/100
- **Patwardhan High school** June 2015 - June 2016
10th Standard Ratnagiri, Maharastra
 - Percentage Marks : 63.80/100

PROJECTS

- **Water Management in Data Centers using Data Analysis and Ensemble learning** July 2024 - April 2025 
Tools: Python, Ensemble Learning, Plotly, Dash, Flask
 - Developed a framework for efficient water usage management.
 - Implemented ensemble learning techniques to predict water consumption, achieving an accuracy of 98.2%.
 - Designed an anomaly detection system to monitor and control irregular water usage.
 - Applied data analysis to evaluate water usage trends over the past two years using historical data.
- **Enhancing Document Digitization: The All-in-One 'Document World' App** July 2022 - April 2023 
Tools: Android Studio, XML, Java
 - Developed an Android application to scan, edit, and digitize documents with OCR (Optical Character Recognition) support, improving text extraction accuracy and ease of use.
 - Implemented batch processing for multi-page document handling, enabling efficient management of large document sets
 - Created interactive previews and export options using dynamic UI components for a better user experience and document organization.

PUBLICATIONS

J=JOURNAL, S=IN SUBMISSION

- [J.1] Tanmay Kadam et al. (2023). "Enhancing Document Digitization: The All-in-One 'Document World' App". *Infocomp Journal of Computer Science*, Vol.22, Issue 2, pp. December 2023.
- [S.1] Tanmay Kadam et al. (2025). "Intelligent Water Management in Data Centers Using Ensemble Learning Approaches". *Water Resource Management*

SKILLS

- **Programming Languages:** Python, Java, C, SQL, R
- **Web Technologies:** HTML, CSS, Django, JavaScript
- **Database Systems:** MySQL, MongoDB
- **Cloud Technologies:** Amazon AWS, Heroku
- **Specialized Area:** AI, ML, Data Science
- **Research Skills:** Literature Review, Hypothesis Testing, Data Analysis, Machine Learning, Technical Writing, Experiment Design

LEADERSHIP EXPERIENCE

- **Coordination of Directo Event** March 2023
SSPM's College of Engineering
 - Led the planning and coordination of the Directo event, overseeing a team of 10 volunteers and managing event logistics.
 - Improved event participation by 35% through targeted promotions and streamlined registration.
 - Introduced a new judging system to enhance transparency and fairness during the competition.
- **Coordination of Junkyard Wars-2022 Event** September 2022
SSPM's College of Engineering
 - Coordinated the annual Junkyard Wars event on Engineers Day 2022 with 60+ participants and 10 teams.
 - Implemented a structured task allocation strategy, improving event flow and reducing delays by 25%.
 - Facilitated collaboration with faculty and the College to secure necessary materials and resources.

VOLUNTEER EXPERIENCE

- **UTTUNG 2023** March 2023
SSPM's College of Engineering
 - Assisted in organizing and managing cultural programs, including the Fishponds event, as a volunteer.
 - Contributed to a seamless flow of events attended by over 300+ students and guests.
 - Developed teamwork, communication, and event coordination skills through active engagement in logistics and planning.
- **Virtuosic National Level Technical Symposium** March 2023
SSPM's College of Engineering
 - Volunteered in coordinating technical events, registration desks, and helping participants during the event.
 - Ensured smooth execution of competitions with over 200 participants from different colleges.
 - Strengthened leadership and multitasking skills while managing time-sensitive activities and resolving queries.

CERTIFICATIONS

- **Web development** August 2022
- **SQL** May 2023

ADDITIONAL INFORMATION

Languages: English, Marathi, Hindi

Interests: Learning new things, Reading, Traveling