

Anusha P

Asst. Professor

Department of Computer Science

JSS College for Women

Chamarajanagar – 571313

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ACADEMIC PROFILE

➤ MSc (2022-2024)

- **Specification:** Master of Science in Computer Science
- **Institute:** University of Mysore, Manasa Gangotri Mysore- 5700
- **Passed year:** 2024
- **CGPA/Percentage:** 8.31(83.15%)

➤ BSc (2019-2022)

- **Specification:** BSc. in Physics, Mathematics, Computer Science
- **Institute:** JSS College for Women, Chamarajanagar – 571313
- **Passed year:** 2022
- **CGPA/Percentage:** 7.76(77.6%)

ACADEMIC PROJECT WORK

Cattle Age Estimation by Dentition using Machine Learning Approaches:

In this project, the objective was to estimate cattle age by analyzing dentition through machine learning approaches. The methodology combines feature extraction using the Histogram of Oriented Gradients (HOG) and image segmentation using YOLOv9, resulting in a robust system that efficiently handles complex image data. Linear Regression performs well in Cattle age estimation.

TECHNICAL SKILLS & PROGRAMMING LANGUAGES

- C Programming
- Data Structure in C Programming
- Python
- Web Designing (HTML, CSS, JavaScript)
- Machine Learning and Deep Learning
- C++
- Image processing
- Time management
- Creativity & Fast typing skill, Teamwork

RESEARCH PUBLICATIONS

Title: “Optimized Feature Engineering for Dentition-based Cattle Age Estimation”

Authors: D S Guru, Swaroop D, Anusha P, Keerthana N, Shivaprasad D L

Journal/Conference: Procedia Computer Science

(part of the international conference on Machine Learning and Data Engineering)

Publication Details: Available online at www.sciencedirect.com

<https://www.sciencedirect.com/journal/procedia-computer-science/vol/258/suppl/C>

AREA OF INTEREST

Academic interest: Machine Learning, Digital Image Processing, Artificial Intelligence.

Research interest: Feature extraction, Object recognition, Image segmentation.

WORKSHOPS/FDP/WEBINARS ATTENDED

- One-day State Level Workshop on “**Role of Machine Learning in Artificial Intelligence – A practical Approach**” organized by the faculty of Science under the aegis of IQAC, JSS College of Arts, Commerce and Science, Nanjangud, held on 04 April 2025.
- Online Faculty Development Programme “**Effectuation as a Framework for Entrepreneurship Education: Empowering Students to Create Their Future**”, organized by St. Analysis College, Elthuruth, Thrissur, on 08th February 2025.
- Online Faculty Development Programme “ **Bridging the Gap: Integrating Industry-Relevant Skills and Placement Strategies in Non-Professional College Curricula**”. Organized by St. Aloysius College, Elthuruth, Thrissur, on 28th April 2025.
- Webinar Titled “**Environmental Anthropology: Living with Riverine Environments**” under CMDR Webinar, Series: Trending in Anthropology on 06th March 2025

PERSONAL DETAILS

Date of birth: 28/01/2002

Father’s Name: Prabhuswamy

Mother’s Name: Bhagya

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