

Priyanka Patel

VISITING FACULTY

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 Phone: 7977805136

PROFILE

With a strong foundation in Computer Engineering, dedicated to fostering an engaging and effective learning environment. Experienced in software development, system architecture, and emerging technologies. Skilled in simplifying complex concepts, encouraging critical thinking, and delivering well-structured lectures. Eager to contribute to academic excellence by delivering well-structured lectures, assisting with course development, and supporting students in achieving their academic goals.

EDUCATION



Master of Engineering in Computer Science

Institution: Terna Engineering College

Year of Graduation: 2025

SEM I: 10.00 SEM II: 7.48



Bachelor of Engineering in Computer Science

Institution: Saraswati College of Engineering

Year of Graduation: 2021

CGPI:9.13 PERCENTAGE: 82.55%

RELEVANT SKILLS

- C
- Java
- Python
- HTML & CSS
- MongoDB

RELEVANT COURSES

- Fundamentals of Python Programming
- Machine Learning
- Deep Learning

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📍 Giriraj Horizon, Sector - 20, Kharghar, Navi Mumbai

PROJECTS

Alzheimer Disease Detection using DL

In my Alzheimer's disease detection project, I employed deep learning models, specifically ResNet-18 and ResNet-34, utilizing the OASIS database. By leveraging these convolutional neural networks, I aimed to classify brain MRI images to differentiate between healthy individuals and those with Alzheimer's disease. The deep residual learning framework allowed for improved feature extraction and accuracy in diagnosis. The results highlighted the effectiveness of deep learning in medical imaging, demonstrating promising potential for early detection and intervention in Alzheimer's disease.

Cyberbullying Detection using DL

In my cyberbullying detection project, I used deep learning models with Long Short-Term Memory (LSTM), Gated Recurrent Unit (GRU) architectures and BERT Model. By employing Word2Vec and GloVe embeddings for feature extraction, I effectively captured contextual information in text data. This approach achieved high accuracy in identifying cyberbullying instances, highlighting the potential of deep learning in enhancing online safety.

PUBLICATION

Patel, P., & Patil, R. (2024). Alzheimer's disease detection using ResNet. In S. Satheeskumaran, Y. Zhang, V. E. Balas, T. P. Hong, & D. Pelusi (Eds.), *Intelligent computing for sustainable development. ICICSD 2023 (Vol. 2121)*. Springer, Cham. https://doi.org/10.1007/978-3-031-61287-9_21

Singh, A., Kharkar, N., Priyanka, P., Parvartikar, S.: AD detection using deep learning-CNN. In: Hu, Y.C., Tiwari, S., Trivedi, M.C., Mishra, K.K. (eds) *Ambient Communications and Computer Systems. Lecture Notes in Networks and Systems*, vol 356. Springer, Singapore (2022)