

Dhiraj M. Patil

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Career Objective

Computer Science & Engineering (AI & ML) student with a strong foundation in **Machine Learning, Deep Learning, and AI-driven applications**. Passionate about solving real-world problems using **Python, TensorFlow, PyTorch, NLP, and Computer Vision**. Seeking AI/ML internships or full-time roles.

Education

Bachelor of Engineering (B.E.) in Computer Science & Engineering (AI & ML)

University of Mumbai

Expected Graduation: 2025

10th Grade

Rajguru H M Pandit Vidyalaaya, Saphale

80.80%

12th Grade

Sonopant Dandekar Shikshan Mandalis Jr College, Palghar

84.33%

Skills

- **Programming:** Python, TensorFlow, Keras, PyTorch, Transformers
- **Machine Learning & Deep Learning:** CNN, RNN, LSTM, GANs, Transformers
- **Computer Vision:** OpenCV, Image Classification
- **NLP:** Text Classification, Summarization, Sentiment Analysis
- **Backend Development:** Flask, Django
- **Data Visualization:** Matplotlib, Seaborn
- **Soft Skills:** Problem-Solving, Teamwork, Communication

Certifications

- AWS Data Engineering (AWS Certified)
- Supervised Machine Learning: Regression & Classification (Coursera)
- Advanced Algorithms (Coursera)
- Generative AI with AWS (Coursera)

Projects & Academic Work

Real-Time Hand Sign Recognition

- Built a computer vision model using OpenCV & TensorFlow for real-time sign language recognition.

Image Classification & Descriptor

- Developed an image classification model using CNN with ResNet & VGG16.

Text Classification & Summarization

- Implemented NLP-based text classification using BERT & LSTM.

Building a Transformer Model from Scratch

- Designed and implemented a Transformer model from scratch using **PyTorch** for sequence-to-sequence tasks.
- Applied attention mechanisms and positional encoding to handle text data for machine translation.