PRATIK DAHALE

9579689798 ◇ Pune, India

pvdahale7@gmail.com ◇ LinkedIn ◇ GitHub

EDUCATION

M.Tech - Artificial Intelligence and Machine Learning
Indian Institute of Information Technology, Design and Manufacturing, Jabalpur   2024 - 2026
CPI - 8.00

B.Tech - Computer Science and Engineering
CSMSS Chh. Shahu College of Engineering, Aurangabad   2019 - 2023
CGPA - 8.41

SKILLS

Programming Languages	Core Java, Python, C.
Databases	SQL, MongoDB.
Relevant Coursework	Data Structures and Algorithms, Operating System, Computer Networks, Machine Learning, Deep Learning, Natural Language Processing.
Libraries and Frameworks	Flask, scikit-learn, TensorFlow, Keras, nltk, HuggingFace Transformers.
Soft Skills	Communication, Team Work, Analytical Thinking, Problem Solving.

INTERNSHIP

Research and Development Intern   Dec 2023 - Jan 2024
Indian Institute of Technology, Kharagpur

- Implemented IoT solutions using AWS IoT Core to enable real-time data transmission and analysis.
- Developed a digital twin of an induction motor to simulate and optimize efficiency.
- Deployed machine learning model on Amazon SageMaker for motor failure prediction.

PROJECTS

Sarcasm Detection using DistilBERT

- Trained a DistilBERT model to identify sarcasm in text using the News Headline Dataset.
- Used TensorFlow and Keras for model training with a dataset containing text headlines and sarcasm labels.
- Achieved 88% accuracy in correctly detecting sarcastic headlines.

Super-Resolution Image Enhancement with Deep CNN

- Built and trained an SRCNN model to enhance low-resolution images by predicting high-resolution outputs.
- Used TensorFlow and Keras for model development, training, and evaluating image quality improvements.
- Achieved performance metrics like PSNR of 25.5 and SSIM of 0.76, demonstrating high-quality image restoration.

CERTIFICATIONS

- The Joy of Computing using Python (IIT Madras)
- Introduction To Machine Learning (IIT Kharagpur)
- Cloud Computing (IIT Kharagpur)
- Introduction to Industry 4.0 and Industrial IoT (IIT Kharagpur)