

Ashish Jadhav

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EDUCATION

Electrical Engineering and Information Technology (M.Sc.)

Otto-von-Guericke University, Germany

Oct 2022 - April 2025

Electrical Engineering (B. Tech.)

Sardar Patel College of Engineering, India

July 2015 - May 2019

WORK EXPERIENCE

Working Student

[Compolytics GmbH](#) | Barleben, Germany

April 2024 - Present

- Collected various types of pictures needed for the project.
- Cleaned and preprocessed raw images using opencv
- Applied dimensionality reduction techniques such as PCA , LDA to separable image classes.

Lead Engineer

[Tata Power Company Ltd.](#) | Mumbai, India

July 2019 - Sept. 2022

- Performed text classification on customer emails and categorized them into specific complaint categories completely eliminating manual intervention.
- Performed data analysis on energy consumption data to predicting energy consumption helping in load scheduling.
- Diagnosed and resolved issues with high and low voltage switchgear demonstrating 100 % power reliability in Mumbai subdivision.

PROJECTS

Alzheimer's Disease classification using spontaneous speech

[View in GitHub](#)

- Developed a machine learning model for the early detection and classification of Alzheimer's Disease (AD) using spontaneous speech.

Mystic Forest Escape Room Chatbot

[View in GitHub](#)

- Designed a chatbot to guide users through a thrilling and mysterious journey within the Mystic Forest.

MNIST Image Classification using Neural Networks

[View in GitHub](#)

- Created a Fully connected Neural network architecture for accurate digit recognition and comparison.
- Implemented a Convolutional Neural Network (CNN) with three convolution layers reaching accuracy of 99.05 %.

SCIENTIFIC WRITINGS

- Jadhav A. S. and Sinha Y. (2023). *Pathological speech processing – a systematic review: datasets, acoustic features and applications*. Institute of Information and Communications Technology, Otto-von-Guericke University, Germany. [View Paper](#)
- Jadhav A. S. *Alzheimer's dementia classification using spontaneous speech*. Unpublished Manuscript, Institute of Information Technology and Communications, Otto-von-Guericke University, Germany.
- Jadhav A. S. (2023) *Machine Learning in IIoT communications* . Institute of Information and Communications Technology, Otto-von-Guericke University, Germany.

[View Paper](#)

CERTIFICATIONS

NVIDIA Fundamentals of Deep Learning

[View credentials](#)

Stanford Deep Learning Specialization

[Audit-Version](#)

Stanford Machine Learning Specialization

[Audit-Version](#)

SKILLS

Python | Tensorflow | Pytorch | scikit-learn | Numpy | Pandas | Requests | Matplotlib | AWS |
Rasa | Git | opensmile | linux | Bash | Zsh | Github | jekyll



Magdeburg, 24 May 2024