VAIBHAV GOVINDWAR

Data Science | Data Analysis | Agentic AI | Machine Learning
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Currently pursuing a 2-year of Master's degree (MTech) in Data Science at GITAM Deemed to be University. Skilled in building and deploying models using python, AIML. Developed 3 real World projects using CNN.

EXPERIENCE

AI and Data Analytics Intern, Nagpur
EduNet Foundation 12/2024 – 01/2025

- During this internship I leveraged AI and data analysis skills to develop a "Plant Disease Detection using CNN" system.
- Built and trained a custom CNN model on RGB 87000+ image datasets for 14 different crop disease classification, and deployed it as a web application for real-time prediction via image uploads.

GOOGLE AI-ML Intern, Nagpur
AICTE EDUSKILLS VIRTUAL INTERNSHIP 01/2024 - 03/2024

- Developed and programmed neural networks for diverse applications, including object detection and image classification.
- Strengthened expertise in deploying product image search functionality, effectively utilizing a dataset of over 500+ images

Python Programming Intern Nagpur
IBase ElectroSoft Ltd. 03/2021 - 04/2021

- Developed proficiency in Core Python, enhancing problem-solving and coding skills.
- Worked with 100+ data entries using Pandas and NumPy for data manipulation.

TECHNICAL SKILLS

- **Programming:** Python
- **Data Analysis:** Pandas, NumPy, matplotlib, Statistics, Data Cleaning, Data Visualization
- **Machine Learning:** Regression, Classification, Scikit-learn, TensorFlow, Model Evaluation
- **Concepts:** Statistics, Probability, Data Structure
- **Soft skills:** Dedication, Eagerness to learn, Good communication, Solution-oriented, Team leading and managing

PUBLICATION

- **Facial Expression Recognition using Convolutional Neural Networks.** Research Paper 2024

ONGOING RESEARCH

- REAL – TIME MULTIPLE OBJECT DETECTION USING YOLOv8 MODEL: AN EFFICIENT DEEP LEARNING FRAMEWORK
- Multi-Agent Plant Disease Detection using CNN-ViT Fusion Model

EDUCATION

- **Masters of Technology**
  GITAM UNIVERSITY, HYDERABAD 08/2025 - 04/2027
  CSE Data Science (Perusing)
- **Bachelor of Technology**
  PCE College Nagpur, University 07/2020 - 05/2024
  Computer Technology (CGPA – 7.2)
- **HSC State Board**
  Hislop Jr. College of Science 06/2018 - 04/2020
  HSC (58%)
- **SSC State Board**
  G.M.K.M E/M School 07/2016 - 04/2018
  SSC (77%)

PROJECTS

Super Store Sale Analysis GitHub 08/2025 – 08/2025

- Cleaned 700+ records and built a Power BI dashboard identifying top 10 products (40% revenue)
- Analyzed regional/category trends; Technology (35% profit) and West (30% sales) led performance

Diabetes Prediction GitHub 03/2025 – 3/2025

- Performed Exploratory Data Analysis and developed a 4-layer Feedforward Neural Network (FFNN) using the Pima Indians Diabetes Dataset (760 samples) for diabetes prediction.
- Achieved 86.8% classification accuracy and deployed the model as an interactive Streamlit web application.

Plant Disease Detection GitHub 12/2024 – 01/2025

- Developed an 8-layer Convolutional Neural Network using TensorFlow/Keras to classify plant diseases from leaf images.
- Preprocessed and analyzed a dataset of 87,000+ images across 38 disease classes covering 14 crop species, including healthy and diseased leaves.
- Achieved 92.8% test accuracy and deployed the trained model as a Flask-based web application for real-time plant disease prediction. The accuracy of the prediction is more than 90%.

Facial Expression Recognition GitHub 10/2023 – 03/2024

- Collaborated with a 5-member team to develop a CNN-based facial expression recognition system using Python, TensorFlow, and Keras, inspired by the LeNet-5 architecture, to classify 7 facial expressions from the FER2013 dataset (35,000+ images).
- Achieved 95% training accuracy and 49% testing accuracy while contributing to data preprocessing, feature extraction, and model performance evaluation.