

ADITYA PANDE

Bachelor of Technology in Computer Science Engineering

Indian Institute of Information Technology, Sricity

+91-9916392444 aditya.p22@iiits.in LinkedIn GitHub LeetCode Kaggle

Education

Indian Institute of Information Technology, Sricity

Nov 2022 – Present

Bachelor of Technology in Computer Science Engineering

CGPA: 8.57

Experience

SATHEE by Indian Institute of Technology Kanpur

Aug 2023

Educator

Online

- Delivered targeted guidance, fostering success in the intricacies of chemistry.
- Completed **40+** classes within an **8-month** time-frame.
- Taught **180+** students in preparation for examinations.

Projects

Sentiment Analysis | *Natural Language Processing Project*

Mar 2024

- Created a simple NLP model, that analyzes a Movie Review and classifies them into **5 Different categories**: 'Negative', 'Somewhat Negative', 'Neutral', 'Somewhat Positive', 'Positive'.
- Utilized **Python v3.12.2**, **Scikit-Learn v1.2.2**, **Spacy v3.7.2** and a dataset of Movie Reviews from Kaggle containing **156,000+** entries.
- Implemented **2 different** Machine Learning models to train the model, which is, Logistic Regression and Random Forest.

Plant Disease Identification | *Convolutional Neural Networks Project*

Jan 2024

- Created a simple CNN model for accurate identification of diseases in **3 different plants** which are potato, tomato, and pepper plants, using the images of the plant leaves.
- Used **Tensorflow v2.15.0** to create and train the entire CNN model and **FastAPI v0.108.0** to create a web-API of the model and a dataset of labelled plant images from Kaggle comprising **20,000+** images.
- The model attains approximately **92%** accuracy.

Word Predictor | *List Comprehension Implementation*

Oct 2023

- This Python project entails the development of a sophisticated word-predictor.
- Worked with **Python v3.11**, and the model learns by parsing a text file, constructing a comprehensive vocabulary using the contents.
- When presented with a specific word input absent from the program's vocabulary, the system dynamically predicts the most probable 'required word' from the vocabulary, providing a precise probability score to enhance predictive accuracy and utility.

Technical Skills and Interests

Languages: Python, C, Java, HTML, CSS, Javascript, SQL

Developer Tools: VS Code, Git, Github, Jupyter Notebook

Modules: NumPy, Pandas, Matplotlib, Seaborn, Tensorflow, Scikit-Learn, FastAPI

Design: Adobe Photoshop, DaVinci Resolve 18, Canva, Adobe After Effects, Figma

Soft Skills: Management (led a team of 14 members in the Design Team), Teamwork (collaborated with cross-functional teams during college fest), Communication (delivered presentations at project evaluations/meetings), Leadership (mentored juniors)

Areas of Interest: Artificial Intelligence and Machine Learning, Mathematics, Data Structures and Algorithms, Graphic Designing, Video Editing,

Leadership / Extracurricular

Design Lead

Mar 2024 – Present

Design Team, Indian Institute of Information Technology Sricity

Visual Intelligence Specialist

Nov 2023 – Present

Hacktivspace Community

Design Core

Aug 2023 – Present

Google Developers Student Club Sricity

Design Core

Jul 2023 – Present

IIITians Network