

AJAY CHAKRAVARTHI SURIYAN

Passionate AI learner

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S/o SURIYAN PALANIYAPPAN

252N, RMK Nagar 2nd Street,

Palani, Dindigul, Tamil Nadu – 624601

SUMMARY:

- Dedicated and detail-oriented Python Developer with strong analytical skills and a passion for deriving actionable insights from complex data sets.
- Proficient in data manipulation, statistical analysis, and data visualization tools.
- Eager to apply academic knowledge in a professional environment to contribute effectively to data-driven decision-making processes

SKILLS:

- | | | |
|--------------|--------------------|----------|
| • HTML | • Tableau | • Python |
| • CSS | • NLP | • SQL |
| • Javascript | • Machine Learning | • Github |

MINI PROJECTS & INTERNSHIP:

Sentimental Analysis

Org: CoralfLOW

As a Python Developer, I developed a sentiment analysis program using a product review dataset. The project involved preprocessing text data, including tokenization, stemming, and lemmatization, and leveraging NLP libraries such as NLTK and spaCy. I trained machine learning models with scikit-learn and deep learning models using TensorFlow/Keras to classify sentiments. The model's performance was evaluated with metrics like accuracy, precision, recall, and F1-score. I deployed the model in a user-friendly application for analyzing sentiments in real-time, showcasing my skills in NLP, machine learning, and handling large datasets.

Environment: Kaggle, Jupyter, Google Colab

Time Period: May-Jun 2024

Work Mode: Remote

Image Classification

Org: CoralfLOW

As a Python Developer, I developed an image classification program using Convolutional Neural Networks (CNN). I designed and implemented CNN architectures with TensorFlow/Keras and preprocessed image data through resizing, normalization, and augmentation. The model was trained and fine-tuned on large datasets, achieving high accuracy in classification tasks. I evaluated performance using metrics such as accuracy, precision, recall, and F1-score. The trained model was deployed in a user-friendly application for real-time image classification, demonstrating strong skills in deep learning, computer vision, and data handling.

Environment: Kaggle, Jupyter, Google Colab

Time Period: May-Jun 2024

Work Mode: Remote

Portfolio Analysis & Chatbot

Org: Coralflow

As a Python Developer, I developed a portofolio analysis program using a stock market API's like Yfinance and RapidAPI. The web app basically involves in analyzing the assets and risk in the market. The chatbot mainly focuses on the answering the queries based on the stock market and also compares the realtime stock price of the companies.It is GenAi integrated chatbot, which can also suggest the ideas for the investment.

Environment: VS code, Streamlit

Time Period: Jun-July 2024

Work Mode: Remote

TECHNICAL STACKS:

Data Science / Machine Learning / Deep Learning

Python, Supervised learning algorithms, Unsupervised Learning algorithms,CNN, RNN

Data visualization

Tableau

Mathematics for ML & DL

Algebra, Probability, Statistics, Calculus, Matrices.

Python packages and Frameworks

Scikit-Learn, Tensorflow, Keras, NumPy, Pandas

Web Development

Html, CSS, Javascript

Programming languages

Python, Java

Databases

MySQL

ACADEMIC QUALIFICATION:

- **B.Tech (AI&DS)** from SNS College of Engineering, Coimbatore in 2026 (**upto 4th sem 7.42 CGPA**).
- **HSC** from Bhaarath vidya Bhavan Matriculation Higher Secondary School, Palani 2022 (**83%**).
- **SSLC** from Bhaarath vidya Bhavan Matriculation Higher Secondary School, Palani 2020 (**97.2%**)
- **Date Of Birth: 23-12-2004**

DECLARATION:

I do hereby declare that the particulars of information and facts stated herein above are true, correct and complete to the best of my knowledge and belief.

Place:

Date:

Yours sincerely,

AJAY CHAKRAVARTHI S