

# AMAL K S

ML/DL engineer

## Address:

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GitHub: <https://github.com/AMAL1195>

## Technical Skills

### Operating System :

Windows, Linux

### Programming Languages:

Python

### Databases:

Mysql, HDFS

## LANGUAGES KNOWN

ENGLISH

MALAYALAM

## Summary

Master's degree in physics and strong mathematical background and problem -solving skills. Having strong foundation in theoretical and Mathematical aspects of Machine learning and Deep learning and it's applications in the domain of predictive data analytics. Looking for opportunities as a ML/DL engineer in a company where I can use my analytical and technical skills to solve real-world Predictive data analytical problems.

## EXPERIENCE

Data Scientist -Internship – Luminar Technolab - Kakkanad, Kochi

June-2022 -Present

Assistant Mortgage Processor/Audit Section Team Leader - E-Global Processing Solutions-Inforpark TBC-Kochi

Jan-2021- May 2022

Python Django Developer - Internship -Wahy Lab Solutions - Vazhakala, Kakkanad

June 2020 – Dec -2020

## EDUCATION

**2018 -2020** - MSc. Physics from Cochin College, Kochi, under MG University

**2013-2016** - BSc. Physics from Cochin College, Kochi, under MG University

## DATA SCIENCE SKILLS

### BIG DATA

- HADOOP : PIG, SQOOP, HIVE

PYSPARK : RDD

### DATA ANALYTICS

- PYTHON, NUMPY, PANDAS, MATPLOTLIB, SEABORN, SQL, TABLEAU

### MACHINE LEARNING

- REGRESSION, CLASSIFICATION AND CLUSTERING ALGORITHMS

### VISUALIZATION TOOL

- TABLEAU, POWERBI

### DEEP LEARNING

- ANN, CNN,YOLO

TOOLS: TENSORFLOW, KERAS, OpenCv,Mediapipe

## PROJECTS

### 1. Laptop Price Prediction Using Regression Models.

In this project I predicted the price of Laptop brands by taken into account various factors effecting the Laptop prices using different ML models and choose the best model using performance metrics.

**Languages and libraries used:** Python, Pandas, Numpy, Scikit-Learn

### **Methodologies:**

- Data Pre-processing - EDA, Feature Engineering
- Machine Learning

**Github link :** [https://github.com/AMAL1195/Machine\\_Learning](https://github.com/AMAL1195/Machine_Learning)

## **2. Deep Learning -Tomato Plant Disease Prediction using CNN**

By using different types of labeled diseased leaf images for tomato plants, I have created a CNN model to predict the type of disease of Tomato Plant by examining the leaf of Tomato plant.

This type of models can be used to correctly classify the diseased tomato plants by farmers, so that they can take necessary steps to prevent it as earlier as possible.

**Languages and Libraries used:** TensorFlow, Keras, Python, Numpy, Matplotlib

**Github link :** [https://github.com/AMAL1195/Deep\\_Learning](https://github.com/AMAL1195/Deep_Learning)

## **3. Movie Recommendation System**

In this project I have created a content based Movie Recommendation system where the user can enter the movie name and the app will display similar five movie's poster with it's title based on user's search.

**Languages and libraries used:** Python, Pandas, Numpy, Scikit-Learn, Streamlit

**Methodologies:**

- Data Pre-processing
- Natural Language Processing
- Cosine similarity

**Github Link:** <https://github.com/AMAL1195/ML-Projects>

## **CERTIFICATIONS**

**Data Science - ML – DL- Big Data with Cloud & TABLEAU Training -**  
National Council for Technology and Training (NACTET)

**Quantum Computing and Programming using Python- Qworld**