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Trivandrum

https://github.com/jothish-thomas

Skills

- Python
- C++
- Machine Learning
- SVM
- Deep learning
- Computer Vision
- TensorFlow
- PyTorch
- Keras
- Software Development
- NLP

Education and Training

Bachelor of Technology

Mechanical Engineering

APJ Abdul kalam Technological
University

Trivandrum

Certifications

IBM Data Science Professional
Certification

IBM AI Engineering Professional
Certification

Languages

English

Malayalam

Jothish Thomas Mammen

Summary

Passionately curious machine learning engineer with 2+ years of work experience in writing codes and algorithms and building machine learning models using python programming language. Familiar with concepts of Deep Learning, Support Vector Machine Convolutional Neural Network, Data Science, Computer Vision, TensorFlow, PyTorch.

Experience

Allianz Technology SE-Software Engineer

Trivandrum, India

11/2021-Current

- Analysed user requirement to develop and automate software solutions and created technical specifications.
- Monitored system performance and troubleshoot issues in production environment.
- Created detailed design documents, test plans, user manuals, release notes and other related documentation.
- Participated in regular meetings with stakeholders to discuss project progress, changes, challenges.
- Developed custom algorithms to solve complex problem and improve software efficiency.
- Analysed code and corrected errors to optimize output.

Accomplishments

- Distinguished performer of Applications 1-Central Functions Platform of Allianz Technology SE.
- Spot award for fast learning of the concepts and going extra mile.
- Spot award for migrating the batch processing jobs from old system to new system thereby reducing the cost to half.

Project 1

- Rainfall Prediction in Australia: Used a rainfall dataset from Australian Government's Bureau of Meteorology, data has been cleaned and applied different classification algorithm to the data. Used the following algorithm to build the model.1. Linear Regression 2. KNN 3. Decision Trees 4. Logistic Regression 5. SVM. The results are reported as the accuracy of each classifier, using the following metrics when these are applicable: 1. Accuracy score 2. Jaccard Index 3. F1 score 4. Log Loss 5. Mean Absolute error 6. Mean Squared Error 7.R2-Score.

Project 2

- AI Project with Deep learning: Concrete crack detection deep learning model has been developed using forty thousand image dataset eighty five percent data used for training and fifteen percent used for validation, used pretrained Pytorch and Keras ResNet50 model for training.