Karthikeya Moturi

AI | ML Enthusiast

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 https://github.com/Karthikeya22

PROFILE

A proactive and quick learner looking for a position as a dynamic software engineer where I can use my analytical abilities and industrial knowledge to assist the firm accomplish its business objectives while adhering to its vision, purpose, and values.

EDUCATION

Bachelors of Technology in Computer Science; GPA: 8.7/10.0   06/2020 – 05/2024 | Amritapuri, India
Amrita Vishwa Vidyapeetham

Higher Secondary; Marks: 95.2%   2018 – 2020 | Visakhapatnam, India
Sasi Educational Institute

Secondary; Marks: 90%   2016 – 2018 | Visakhapatnam, India
Sri Chaitanya Techno

PROJECTS

ImFusion
Image Fusion Desktop Application
This is an open source Image Fusion app which uses Discrete Wavelet Transform(DWT) for many image related operations.

TicTacToe Jack
TicTacToe using Jack Language
A TicTacToe game is developed using Jack Language. The Minmax method is used in this game to determine the computer's move. Initial computer moves might take a while on slower machines due to the thorough search. The addition of more difficulty levels, such as easy and medium, would be a fantastic addition to this project.

Picture Compressor
Image Compression using SVD
This procedure involves giving the SVD a digital picture. The image is refactored using singular values, and as a result, it is represented by a smaller set of values at the conclusion of the process, requiring less storage space.

House Price Predictor
An ML Regression Technique to predict House Prices
In this project, we try to predict housing prices by using various ML algorithms and by considering various housing factors. Features and algorithms like Random Forest Regressor, Gradient Boosting, Lasso, XG Boost and LG Boost are used here to build the prediction model to predict the prices of the houses.

PROFESSIONAL EXPERIENCE

App Developer   12/2021 – present | Kollam, India
WNA Amrita
I am currently working on developing an Android application for self-help groups across the country to help them develop their business.

Research Intern   11/2021 – 01/2022 | India
1Stop Ai
I was selected as a research intern at 1stop. It gave us new ideas and imparted knowledge about the latest inventions in the field of AI. Worked on projects like CNN algorithms and Self Driving Car.

TECHNICAL SKILLS

OS
Linux, Windows

Languages
Python, Java, Dart, C, Matlab, JavaScript

Skills
Computer Vision, PyGUI, Git, ROS, Keras, TensorFlow, Android Development, Flutter, Project Management, Critical Thinking

COURSES AND MOOC

IBM AI Engineering Professional Certificate   present
IBM

Google IT Automation with Python Professional Certificate   03/2022
Google

Web Design for Everybody: Basics of Web Development & Coding Specialization   12/2021
University of Michigan

Machine Learning   09/2021
Stanford University

TCS Ion Career Edge For Young Professionals   10/2021
TCS

Project Management Foundation   02/2022
LinkedIn Learning

ADDITIONAL, EXPERIENCE & ACHIEVEMENTS

- Finalist of the Smart India Hackathon-2022

- My conference paper, i.e. A Detailed Study on Process and Threads got accepted at the IEEE 2022 INTERNATIONAL CONFERENCE ON INTELLIGENT TECHNOLOGIES, Hubballi, Karnataka, India

- Attended the Goldman Sachs Engineering Virtual Program

- Attended the Nvidia GTC-2021 AI Conference talks

- Participated in Manthan Hackathon conducted by Indian Government.