

keerthivasan



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Profile

Driven and motivated individual seeking knowledge and real-world experience in Python Programming and Digital Electronics. Offers strong dedication to work and dependability to make valuable contributions to the workspace.

Skills

Python Programming

Using Python to Interact with Operating System, Troubleshooting and Debugging Techniques and Automating Real-World Tasks with Python

Electronics Design Automation

Xilinx, Tanner, Proteus and Keil uVision5

Linux

Bash Scripting and System Log parsing

Version Control System

Git and GitHub

Machine Learning

Deep Learning and Computer Vision

Configuration Management and the Cloud

Puppet CMS tool and Google Cloud Services.

Keyboarding

Typing speed of 100 - 110 WPM.

Education

Bachelor of Technology (Hons.) Electronics and Communication Engineering,

Lovely Professional University ✎

2019 – 2023 | Phagwara, India

with 7.64 CGPA

XII, Pinnaacle Classes ✎

2018 – 2019 | TamilNadu, India

with 7.34 CGPA

X, Narayana Group of Schools ✎

2016 – 2017 | Nellore, India

with 8.8 CGPA

Projects

Sequence and Pattern Detector,

Mealy State Machine designed using Verilog ✎

Designing Sequence detector Mealy finite state machine to detect when a fixed pattern 1001 is seen in a stream of binary bits that are input to it. And 110100 Pattern detector which detects slightly longer pattern.

Custom Cryptocurrency,

using Blockchain with Python ✎

Developing own Cryptocurrency utilizing Blockchain Technology in its backend to support Enhanced security, Decentralized network and Instant traceability.

Smart Attendance System,

using Deep Learning and Machine Learning ✎

Constructing Deep Learning Model to detect and extract Face Embeddings in the dataset using pre-trained Caffe and Open face models. And train Support Vector Machine classifier using Embeddings with Labeled (student name) data.

Log Analysis Using Regular Expressions,

Automation Tasks with Python ✎

Generating reports on the ranking of errors generated by the system and the user usage statistics for the service. Converting csv to tabulation html file.

Languages

English

adept

Tamil

Native

Telugu

lived for 24 months in Nellore

Courses

Blockchain Specialization, *course* [↗](#)

02/2022 – present

Understanding and working knowledge of foundational blockchain concepts, understanding and working knowledge of foundational blockchain concepts, developing decentralized applications on the blockchain and sussing out ongoing specific industry-wide blockchain frameworks.

Google IT Automation with Python

Professional Certificate, *course* [↗](#)

01/2022 – 07/2022

Using Python to automate common system administration tasks. A good hand at managing Git and GitHub repository, Troubleshoot and Debug complex problems, and Apply Automation at scale by using Configuration Management and the Cloud.

Professional Experience

Internship on Machine Learning,

Pantech Solutions

06/2022 – present

Deploying Machine Learning Model using Optimal Solutions such as Linear regression, Logistic regression, Decision tree, SVM algorithm and Random forest algorithm.

Internship on Artificial Intelligence,

Pantech Solutions

04/2022 – 07/2022

Developing Python Scripts for Face Recognition, Real-time Object Tracking and Emotion Recognition using Computer Vision.

Internship on Data Analytics, *Pantech Solutions*

02/2022 – 04/2022

Getting exposure to Statistics, Population and Sampling, Tabelu, Power BI, MySQL, MongoDB and Machine Learning.