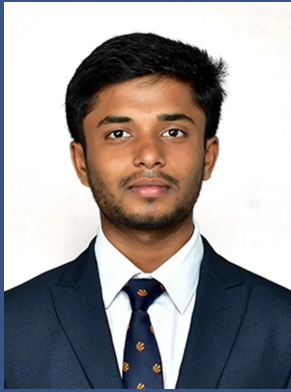


# keerthivasan



📍 Tamilnadu, India

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🌐 github.com/vabsalack

## Career Objective

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.

## Technical 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*

Designed Sequence detector Mealy finite state machine to detect when a fixed pattern 1001 is seen in a stream of binary bit that are input to it.

### Smart Attendance System,

*using Deep Learning and Machine Learning*

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

### Custom Cryptocurrency,

*using Blockchain with Python*

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

### Character Recognition,

*using Convolutional Neural Networks*

Trained CNN to recognize Binary disparate Characters using Keras Sequential Model with Batch Normalization. Saved the trained model and loaded it in real time character Recognition.

### Automatically Generate a PDF and send it by Email, Automation with Python

Developed a script that summarizes and processes sales data into different categories. Generated a PDF using Python. Automatically send a PDF by email.

## **Power Skills**

Leadership

Teamwork

Critical Thinking

Decision Makeup

## **Certificates**

- Crash Course in Python [↗](#)
- Using Python to Interact with the Operating System [↗](#)
- Introduction to Git and GitHub [↗](#)
- Troubleshooting and Debugging Techniques [↗](#)
- Configuration Management and the Cloud [↗](#)
- Blockchain Basics [↗](#)
- Data Analytics Master Class [↗](#)
- Artificial Intelligence Master Class [↗](#)
- Machine Learning Master Class [↗](#)

## **Languages**

**English**

*adept*

**Tamil**

*Native*

**Telugu**

*lived for 24 months in Nellore*

## **Internships**

**Internship on Machine Learning,**

*Pantech Solutions* [↗](#)

06/2022 – 11/2022

Deployed 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

Developed 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

Got exposure to Statistics, Population and Sampling, Tablu, Power BI, MySQL, MongoDB and Machine Learning.

## **Courses**

**Blockchain and its Applications, NPTEL** [↗](#)

01/2023 – 04/2023

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, coursera** [↗](#)

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.