**Nikhil Pradeep**

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DOB: 22-Oct-1996

**Myself**

I have been a part of various IT industries for the past 3 years as a Python Developer. In this short span, 2 years was dedicated as an Artificial Intelligence developer and 1 as Web. In mean-while, I have also engaged in the latest technologies that arrived and kept updated. Commitment towards my career gave me the confidence in handling the pressure at work place and to advance a flexibly working pattern in a team. Being a self-learner, all those technologies on my Resume below are mentioned from my experience and learned according to the project needs.

**Skills**

**Machine Learning:**

Most of the ML models I trained are concerning vision, which were developed with Googles AI Frameworks TensorFlow and Keras. I have also implemented these models on SBC's.

**Deep Learning Networks:**

FaceNet, Caffe-Net, MobileNetV2, Autoencoder, Variational Autoencoder, Google Inception v3, You Only Look Once(Yolo), R-CNN.

**Working Environment:**

OS: Ubuntu 16.04 to 18.0, Windows 8 to 10. IDE: VSCode, PyCharm, Anaconda, Jupiter Notebook, Google Colab, Kaggle. Repository: Microsoft GitHub.

**Programming Skills:**

My core programming skill are corresponding to Python whereas, I have also got a stability on different frontend end scripting and mark-up languages like, Html, CSS, JavaScript, jQuery, TypeScript.

**Web Frameworks:**

When my practical knowledge comes to web technology, I have worked on some popular frameworks like Django and Flask as Backends whereas Angular as Frontend.

**Experience**

**Allianze Infosoft:**

Junior AI Engineer

Period: Started Dec 2019

Programming Language: Python

Projects: Machine Learning, Data Science

Location: Kochi (Kerala)

**SMEC Labs:**

Machine Learning Intern

Period: Sept 2019 – Dec 2019

Programming Language: Python

Projects: Machine Learning, Data Science

Location: Kochi (Kerala)

**eGlobe IT Solutions:**

Junior SEO Analyst

Period: Dec 2018 – Sept 2019

Projects: eGlobe IT Solutions, Off The Poles, Missguided

Location: Trivandrum (Kerala)

**Python Freelancer:**

Python Developer

Period: April 2016 – Dec 2019

Projects: College Projects, Image Processing

Location: Trivandrum (Kerala)

**Projects**

**Allianze Infosoft Library:**

This Project is a simple concept build as an internal use for reading and maintaining the inventory of books on Allianze Infosofts Library. It is built to borrow or get new books from or to the library as per the request and it also uses some API Integrations for different processes. It also promotes both online and offline reading.

Programming Language: Python

Web Framework: Django

Project Year: 2020

**HashEngines:**

HashEngines is a Digital Marketing Company, my role in it is to rebuild their existing website on Django and user Angular as their Frontend. Here they had also requirements such as User Accounts and their posts.

Programming Language: Python

Web Framework: Django (Backend), Angular (Frontend)

Project Year: 2020

**UPC-V:**

UPC-V (Universal Product Code Validator) is a project related to eCommerce. This helps the eCommerce vendors to validate the UPC and identify whether the Code generated is correct or not with some mathematical algorithms defined at backend.

Programming Language: Python

Project Year: 2020

**Face Mask Detection:**

Face Mask Detection is a project build to identify whether the employ wears the mask while entering into work place or not. This project was developed as per the special requirement of Allianze Infosoft.

Model: FaceNet, Caffe-Net.

Programming Language: Python.

Project Year: 2020

**Footfall Count:**

Footfall count is a project that relates to the counting of people in a particular frame or area. Due to the issue of social distance, this project helps in maintaining the count of people in public gatherings.

Model: Yolo3 (Tiny)

Programming Language: Python

Project Year: 2019

**School Attendance Software:**

With the help of face detection library and ML, i was able to develop a new concept for marking student's attendance. This automatically identifies the student and marks attendance without the help of a teacher and will notify the parents using an application which is pre-installed in their android or ios device.

Model: FaceNet

Programming Language: Python

Project Year: 2019

**Visual Artist:**

Virtual Artist is an unsupervised model which is capable of reconstructing a new image from a given Spectrogram. At present i am working in this project and which is under research and construction.

Model: Autoencoder (AE)

Programming Language: Python

Project Year: 2019

**Crime Analysis:**

Crime Analysis is a Data Science Project of analysing crimes in India for the past 2 years. This project takes over a dataset which has all those crime details that has been reported in India. I have divided this project into two section in which one is implemented on PCA and another in K-Means.

Programming Language: Python

Project Year: 2019

**Daily Notifier:**

Daily Notifier is a simple notification application which is build using basic python coding and is implemented using Panda data frame to store data. It uses SMPT Protocol and sends a mail to the corresponding email daily and before 1 hour of the event.

Project Year: 2018

**Auto-Site Viewer:**

Auto-Site Viewer is a Mini project developed for SEO’s (Search Engine Optimizers) to increase the number of users to a website. In basic ASV is a prebuild site buffering bot. Each time it gets to a website with different IPs.

Programming Language: Python

Project Year: 2017

**Education**

**Collage:**

Bachelor of Computer Applications (BCA)

Collage/University: Madurai Kamaraj University.

Year: 2015 – 2018 (3 Years)

**School:**

Higher Secondary

Collage/University: National Institute of Open Schooling:

Year: 2015 – 2015 (6 Months)

High School

Collage/University: Kerala University

Year: 2012

**Certification**

**Udemy:**

Python Developer (2017), Machine Learning and Data Science Developer (2019), Full Stack Python Developer (2019), Angular 9 Development (2019)

**Hacker Rank:**

Problem Solving Certification (2020), Python Certification (2020)

**Declaration**

I hereby declare that, all those information's mentioned above are accurate and equitable about me.

**Contact**

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