**RASHMITHA**

Python Developer

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**PROFESSIONAL OBJECTIVE**

Seeking a python developer position in an esteemed organization utilizing analytical thinking and relevant expertise skill to help the organization to comprehend its long term goals.

**SKILL SETS**

* Ability to provide production support for data warehouse issues such data load problems, transformation problems using snowflake.
* Implement or leads the implementation of complex solutions with minimal technicality. Develop solutions that are easy to deploy, maintain and are bug free.
* Comprehensive knowledge of primary development language for instance C , C++ and python.
* Experienced in working with various Python Integrated Development Environments (IDLE) deep understanding of HTTP methods.
* Participating fully in the development process through the entire software life cycle and in Agile development process.
* Familiar with UNIX / Linux internals, basic cryptography & security, involved in front-end designing using HTML, CSS, JavaScript, and Bootstrap.

**EXPERIENCE**

* **Freelance developer (2021):**
* Programmed web solutions for clients using HTML, CSS, and Javascript frameworks.
* As a freelance developer I work with various companies and help them achieve development goals, I have played essential roles in the development of Android applications, high-end websites, and Linux applications using Python.
* Providing clear documentation and technical support to the end users of each site.
* Implementing the design prepared for the Drupal website, made changes to UI based on clients needs. Designed UI logic and data structure for the social network, connecting science people.
* Managing the client correspondence, including leading discussions to frame functional and aesthetic needs and preferences specific to each project.
* Identifying issues with a non-functioning application and developing a remediation plan.
* Investigating the code base, server logs, and GIT for simple booth potential issues.

**Projects:**

**Stock price predictor using machine learning:**

* Fundamental Analysis involves analyzing the company’s future profitability on the basis of its current business environment and financial performance.
* Technical Analysis, on the other hand, includes reading the charts and using statistical figures to identify the trends in the stock market.

There are multiple variables in the dataset – date, open, high, low, last, close, total trade quantity and turnover.

* The columns *Open* and *Close* represent the starting and final price at which the stock is traded on a particular day.
* *High*, *Low* and *Last* represent the maximum, minimum, and last price of the share for the day.
* *Total Trade Quantity* is the number of shares bought or sold in the day and *Turnover (Lacs)* is the turnover of the particular company on a given date.

They'll read the news, study the company history, industry trends and other lots of data points that go into making a prediction.

This project utilizes Deep Learning models, Long-Short Term Memory (LSTM) Neural Network algorithm, to predict stock prices. For the data with time frames recurrent neural networks (RNNs) come in handy but recent researches have shown that LSTM, networks are the most popular and useful variants of RNNs.

I have used Keras to build a LSTM to predict stock prices using historical closing price and trading volume and visualize both the predicted price values over time and the optimal parameters for the model.

**Medical store management system using python:**

To simplify the manual maintenance process of records and cash flows by a wide range of retail and wholesale outlets, it’s more versatile and saves your time and money. I have written the code for admin module, add customer, add product and checking the date of the medicine. Medical Store Management System consists of a Python Script (**main.py**) and a database file. This python projects with source code for Medical Store Management System is primarily based on **Tkinter**. This system has a graphical user interface applied by using the Python programming language and SQLite3.

This **Project** **System for** **Medical Store Management**has an easy to use interface and is built with respected customer service to allow stock maintenance, database access and electronic documentation for billing purposes. The program also encourages consumer computing discounts, frequent revenue, and identifies measures to avoid possible loss of revenue.

* **Python Developer : Inventateq pvt.ltd (2019)**
* Pypylon interface for python development using pypylon (python wrapper interface). Pypylon has been approved by Basler and was published as an Open Source project on GitHub
* Mailing designed in python using smtplib module, the smtplib module is useful for communication with mail servers to send mail.
* Developing android apps using python, including PySide-based QML GUIs using the Necessitas Qt port and the Py4A/SL4A-based approach, which can be combined with Android’s WebKit and re-use Python web frameworks.

Project Details as follows:

**Pypylon Interface for Python Development:**

pypylon is the new Python wrapper interface for the Basler pylon Camera Software Suite and is now available as an open source project. Number of projects (e.g. the Raspberry Pi Face Detection), which made use of a Python wrapper around the pylon camera SDK called pypylon. This wrapper however was a kind of alpha version and closed source. Now, pypylon has been approved by Basler and was published as an Open Source project on GitHub - a number of programming samples included.

The advantages of a python wrapper around the camera SDK are obvious: it lets new and experienced Python programmers quickly andconveniently develop prototype applications and test Basler cameras without needing to set up a complex development environment. This not only speeds up the camera evaluation process significantly, but also increases the productivity and lowers thetotal project costs.

The smtplib module defines an SMTP client session object that can be used to send mail to any internet machine with an SMTP or ESMTP listener daemon. SMTP stands for simple mail transfer protocol. The smtplib module is useful for communication with mail servers to send mail. Sending mail is done with python’s smtplib using an SMTP server. Actual usage varies depending on complexity of the email and settings of the email server, the instructions here are based on sending email through g-mail.

**Developing Android Apps Using Python:**

To start developing full Android applications using only Python, different technologies will be demonstrated, including PySide-based QML GUIs using the Necessitas Qt port and the Py4A/SL4A-based approach, which can be combined with Android’s WebKit and re-use Python web frameworks.

While Android already has a good SDK out of the box, being able to use Python instead of Java is a big advantage for some developers - it allows for quicker turnaround times, and reuse of Python libraries. Python on Android uses a native Python build, so its performance and compatibility is very good. Combined with PySide (which uses a native Qt build) and Qt’s support for OpenGL ES acceleration, you can create fluent UIs even with Python.

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**PROFILE**

* Easily adaptable with changing systems, excellent problem solving skills, quick learner.
* Excellent communication skills and good attention to details.
* Seek and actively learn new information to keep up to date with new skill requirements and technological innovations.
* Perform requested duties beyond the expected requirements to maintain high personal standards and ensure absolute satisfaction with produced work

**TOOL KNOWLEDGE**

Operating system: Windows

Languages: C, C++

Graphical Application: HTML, XHTML

Database: SQL

Data science Languages: Python, R Programming

**ACADEMICS**

I completed my Bachelor of Computer Science Engineering from Shree Devi Institute of Technology Mangalore in the year 2017.

**ACADEMIC PROJECTS**

**Edge game:**

Based on the computer graphics, with the help of OpenGL, a game one with two levels. Second level is little tougher than the first level. The rule of the game is user must to move the point in between the path while moving user must not touch the edge of the boundary. If once the edge had touched then the game will be over. After completing first level it will switch to another level. Second level will open only when the first level is passed by user.

**Home Automation System:**

 The aim of the project is to investigate a cost effective solution that will provide controlling of home appliances remotely and will also enable home security against intrusion in the absence of the home owner. The development of the home automation system consists of an Android mobile phone, a GSM modem, and a controller board incorporating a microcontroller. The mobile phone servers as a remote controller through which a user can interact with the home automation system.

 As a security feature we have implemented face detection feature and motion sensors:

When a person approaches the door the camera that is implemented can capture face and verify it. If authorised the door opens else a notification is send to the user. If any movement is detected inside the house when the door is locked from outside, the camera captures the picture of the intruder and sends it to the user.

**PERSONAL PROFILE**

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| Personal Profile | Permanent Address |
| Date of Birth: 24 August 1995 | "Anugraha" |
| Marital Status: Married | Opp:bus stand, 2nd Kolya |
| Nationality: Indian | Kotekar post(P.O), Someshwara (VIA) |
| Languages Known: English, Hindi, Kannada | PIN:575022 Dakshina Kannad(Dt), Karnataka. |

**DECLARATION:**

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| I hereby declare that the above mentioned particulars are true to the best of my knowledge and belief. |

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|  **RASHMITHA** |