RESUME

SATHEESH V

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Career Objective:

I would like to utilize my skills effectively in the company that I work for and acquire knowledge and experience with the benefit of the company and my career.

Professional Experience:

Company: Pinnacle Seven Technologies, Coimbatore, India.

Designation: Software Engineer

Experience:

- **Mar 2022 to Current**

- Worked on Odoo ERP Application Development.

- Experience in databases (Sqlite , PostgreSQL)

- Experience in NOSQL databases (MongoDB).

- Experience in Linux and Linux commands.

Company: DIMA Business Solutions, Coimbatore, India.

Designation: Software Developer

Experience:

- **September 2020 to Feb 2022**

- Experience in web applications and REST-API using **Python, Django, Flask, HTML**.

- Automation experience on server and network.

- Experience in end to end product development .

- Experience in databases (Sqlite , PostgreSQL) .

- Experience in NOSQL databases (MongoDB).

- Experience in Linux and Linux commands.

Projects:

1. DIMA Emperor (Malware/Phishing):

The purpose of this project is to develop the API to serve responses for various DIMA Products like Firewall, DNS, Browser Extensions, Antivirus Software, Proxy, etc.

By predicting this, clients can block internet access as per their organization's rules.

The tasks involved during the development,

- Creating models with the help of Natural Language Processing and text multi-classification to predict web page content category. Scraping web page data to create data sets for more than 40+ categories like porn, violence, alcohol, social media, etc.

- Creating algorithm with 25+ rules to detect Malware/Phishing web content with the help of data science techniques some algorithms are like – Domain Info, Web Content, Page Rank, etc.,

- Collecting malicious MD5 & sha256 hashes from Open Sources and Trusted partners of DIMA and serving those results to DIMA Antivirus Software.

- Creating API with the help of Flask.

2. Webpage content categorization:

The purpose of this project is to create a machine learning modal to predict the webpage category by using text that present in the webpages. It have 30+ category (education , alcohol , porn , politics , News ...) .

The tasks involved during the development,

- Scrape the text data for the each category. It have 40+ text files for each category to store text data. Split the dataset for training and testing (70:30).

- Pre-processing the collected data (handling the missing values , encoding the categorical data , standardization , Dimensionality reduction).

- Select the appropriate ML modal for training data by using the ML algorithm (SVM, Logical Regression , Random Forest) . After selecting the modal by using highest accuracy save it using pickle module for future predicting.

Personal Project On CI/CD :

Deploy simple docker based django web application on AWS ec2 instance using Jenkins. The steps involved during the development,

1) Create basic Django application (That return singe webpage for Hands on purpose) and Docker File .

2) Upload the the files to github repository where Jenkins going to pull the source code for every Change.

3) Create ubuntu EC2 instance and setup Jenkins server and docker on the same machine. For Hands on I setup both Jenkins and docker on same machine. Jenkins check the source repo on github for code change. If there is any change in source repo , Jenkins automatically pull that source code and build docker image based on that source code and finally run that docker image in the same ec2 instance.

4) User can access the docker based Django application through website.

PROJECT GITHUB LINK : **https://github.com/Satheeshcharon/jenkin_integration**

Technical Skills:

Programming Languages: Python ,Bash

Databases: SQLite, PostgreSQL, MongoDB

Web Development: Django , HTML, CSS .

Operating Systems: Windows, Linux

Experience in Linux and Linux commands.

Hands on experience in Jenkins and Docker.

Experience in Automation using Python and bash script.

Knowledge and good understanding in networking concepts.

Practical experience in AWS (EC2 , S3 , API Gateway , Lambda , database).

Education:

- Bachelor of Mechanical Engineering From Velalar College of Engineering and Technology, Erode, Tamil Nadu, India.

Ref:

- ➢ LinkedIn -- **https://www.linkedin.com/in/satheesh-7777**

- ➢ Portfolio -- **https://satheeshcharon.github.io/satheesh/**

- ➢ GitHub -- **https://github.com/Satheeshcharon**