

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: DIMA Business Solutions, Coimbatore, India.

Designation: Software Engineer

Experience:

- **September 2020 to Current**
- Experience in web applications and REST-API using **Python, Django, Flask, HTML, CSS**.
- 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 for server development , Django application deployment using gunicorn , Nginx on linux Server .

Projects:

1. DIMA Emperor (Malware/Phishing and Webpage content categorization):

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. Data Privacy:

The purpose of this project is to encrypt all type of files with python and also upload the copy of the file to remote server for backup purpose.

The tasks involved during the development,

- Running client application for encrypt, decrypt files and upload the encrypted files to cloud.
- Sync local files with cloud storage on daily basis.
- Django application for to view and download files from website .

Technical Skills:

Programming Languages: Python

Databases: SQLite, PostgreSQL, MongoDB

Web Development: Django , Flask, HTML, CSS .

Operating Systems: Windows, Linux

Version control tools: Git

Experience in Linux and Linux commands.

Experience in python selenium , regex , pandas .

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>